

**sera**  **care**<sup>TM</sup>  
Passion. Innovation. Precision.

# QUALITY CONTROL & DIAGNOSTICS DEVELOPMENT SOLUTIONS

Trusted Partner and Global Supplier of Solutions to Diagnostics,  
Clinical Research and Life Science Industries for over 30 years





## QUALITY CONTROL & DIAGNOSTICS DEVELOPMENT SOLUTIONS

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to Diagnostics, Clinical Research and Life Science  
Industries for over 30 years



## **DEVELOPING INNOVATIVE PRODUCTS TO SUPPORT DIAGNOSTIC ASSAY DEVELOPMENT**

SeraCare is a leading partner and global supplier of diagnostic quality controls, biological materials, and reagents to *in vitro* diagnostics developers, clinical laboratories, and life science researchers worldwide. Our innovation was first demonstrated in the early 1980s when SeraCare developed the industry's first seroconversion panels. Since that time, SeraCare's products have been used to support assay development efforts at more than 90% of the top global IVD companies, and have been referenced in manufacturers' package inserts and studies adopted and referenced by the Centers for Disease Control and the World Health Organization.

## **ENSURING THE ACCURACY AND RELIABILITY OF THE DIAGNOSTIC RESULT**

At SeraCare, we understand the work is not done at the completion of development and installation of a new diagnostic assay. Just as critical is confirming that assay performance and reliability is maintained for the life of the assay to ensure that accurate patient results are reported every time. That's why SeraCare has become a leading provider of independent quality controls and reference materials to clinical labs worldwide. With a special focus within infectious disease diagnostics, our ACCURUN® line is considered the gold standard for removing doubt and adding confidence to patient test result accuracy.

## **EXPERIENCE, ADAPTABILITY, AND QUALITY EQUALS CONFIDENCE**

For more than 30 years, SeraCare has evolved with the needs of the global diagnostic testing industry. We team with diagnostic researchers and manufacturers across the IVD development spectrum, giving us unique insights to make our customers and their assays more successful. We continue to evolve, advancing the development of products for new technologies, including reference materials for next-generation sequencing applications in clinical genomics.

All SeraCare facilities are ISO 13485-certified and comply with cGMP regulations. Our quality systems are among the most robust in the industry, regularly audited by our customers and regulatory agencies, and certified to the requirements of the Medical Device Single Audit Program (MDSAP). All of our products are extensively tested and validated. This commitment to consistent quality — lot to lot, year after year — translates into greater confidence in assay performance.

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We are on a continuous mission to serve the medical and scientific communities to enable successful development, deployment, and monitoring of accurate and reliable clinical diagnostics. Our goal is simple: to develop innovative products and technologies that support scientists and clinicians in the never-ending pursuit to create more accurate and rapid diagnostic tools for the betterment of human health.

## VALIDATE AND MONITOR YOUR ASSAYS WITH CONFIDENCE

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#### Zika IgM Antibody Positive Plasma

Material number: 0325-0079

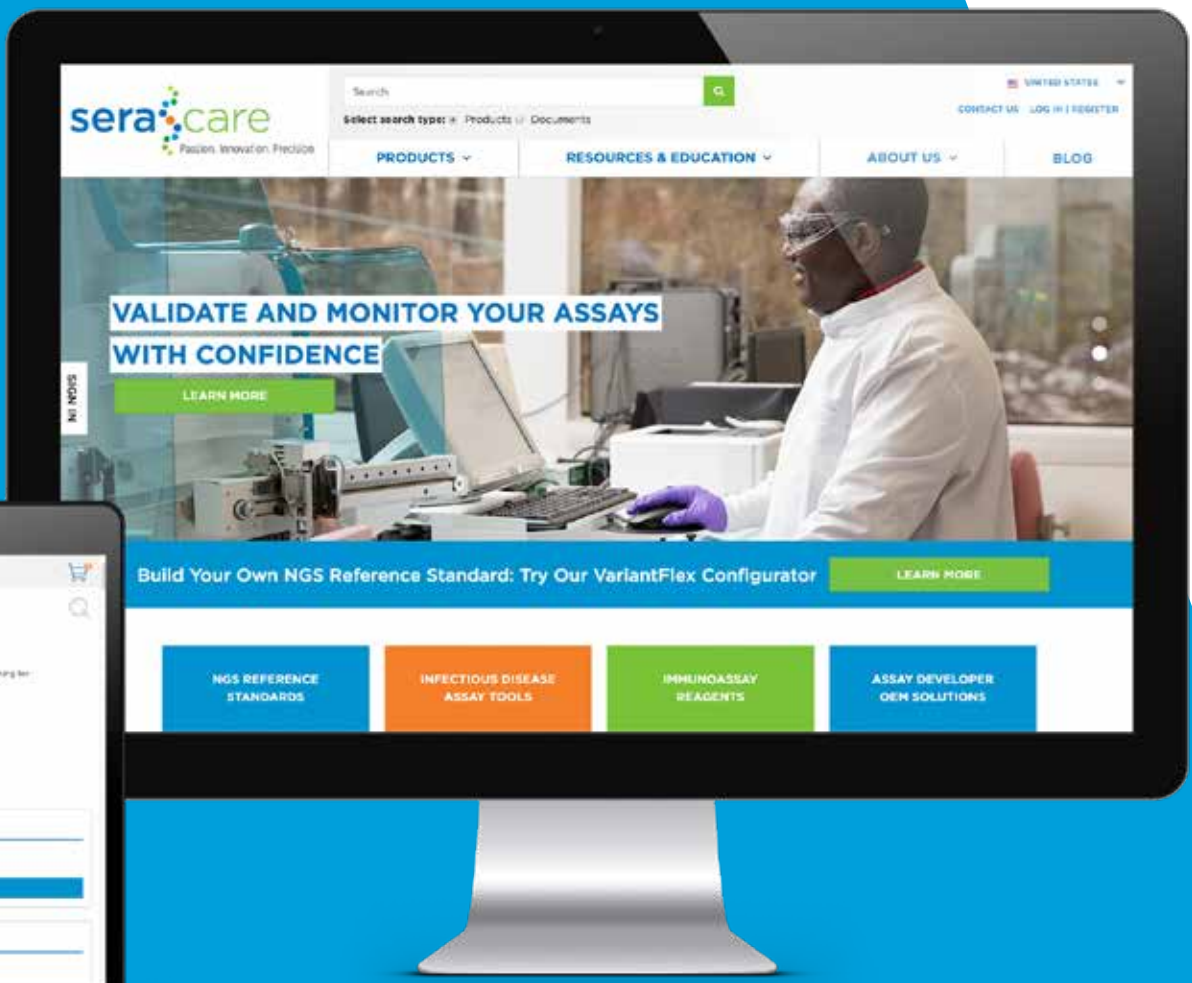
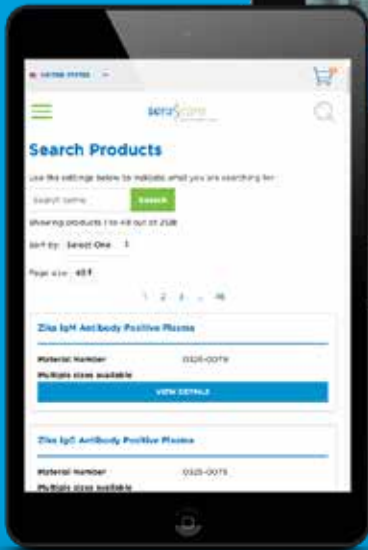
Multiple sizes available

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#### Zika IgG Antibody Positive Plasma

Material number: 0325-0075

Multiple sizes available



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For more information about products listed in this catalog or to speak with your sales representative, contact us at [customerservice@seracare.com](mailto:customerservice@seracare.com) or +1-508-244-6400.

# ACCURUN® CONTROLS & REFERENCE MATERIALS

Controls and reference materials for infectious disease testing are the cornerstones of SeraCare's QC business. SeraCare has provided gold standard third-party run controls and reference materials to clinical laboratories for more than 30 years. This decades-long experience in the manufacture and design of third party controls ensures you're receiving best-in-class products to support clinical lab QC programs, every time.

## THE VALUE OF INDEPENDENT CONTROLS

Independent quality controls offer a cost-effective insurance policy against critical testing failures and the costly cycle of troubleshooting, downtime, test repeats, and send-outs. Regulatory agencies consider them an essential part of any clinical lab quality control program.

**“ The laboratory shall design quality control procedures that verify the attainment of the intended quality of results. ”**

ISO 15189:2012 5.6.2.1 - Medical Laboratories  
- Requirements for quality and competence









## THE BENEFITS OF ACCURUN

- Increase confidence by rigorously challenging your assays
- Mitigate the risk of reporting false results
- Catch declining assay performance in advance of catastrophic failures
- Reduce repeat testing due to errors
- Enhance your assay troubleshooting capabilities
- Improve the monitoring and management of your QC processes

## FOUR REASONS NOT TO RELY ON INSTRUMENT MANUFACTURERS' CONTROLS ALONE

- 1.** Manufacturer controls are often formulated from the same raw materials as the assay calibrators, and thus mimic the calibrators' performance.
- 2.** Manufacturer controls are typically high-positive controls, which will not challenge the assay at lower detection limits where the medical decision point lies.
- 3.** Manufacturer in-kit control lot changes tend to be frequent, making long-term monitoring of the assay difficult.
- 4.** In general, manufacturers' controls are optimized for use with the manufacturer's test system, and thus are less likely to identify assay performance issues.

## THE LEADER IN THIRD-PARTY LOW-POSITIVE CONTROLS FOR INFECTIOUS DISEASE

The truest test of an assay's performance is at the lower limits of detection, near the clinical decision point — the boundary between a positive and negative result. This is where even a modest degradation in performance can produce the catastrophic consequence of a false patient result. Unfortunately, many manufacturers' in-kit controls and third-party commercial controls are not designed to detect subtle performance changes at these lower detection limits.

SeraCare's ACCURUN controls are specially formulated to exhibit weak reactivity in true patient-like matrices to pressure-test assay performance near critical clinical decision points. ACCURUN independent controls offer sensitive detection of subtle shifts in testing trends and mitigate the risk of reporting false results.

## QUALITY AND RELIABILITY

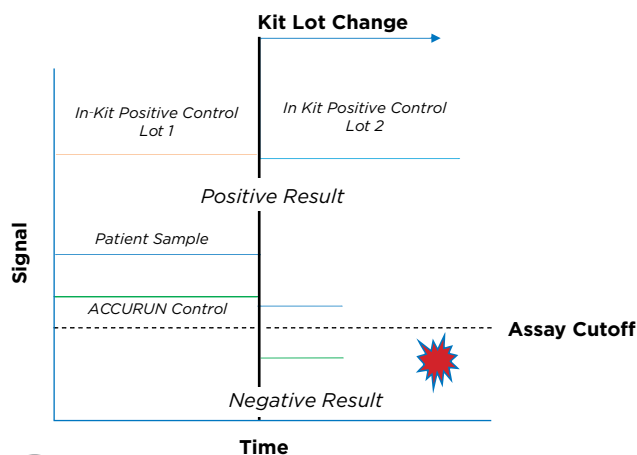
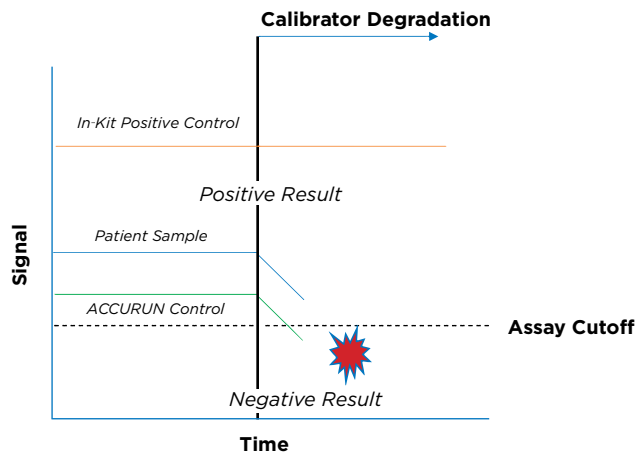
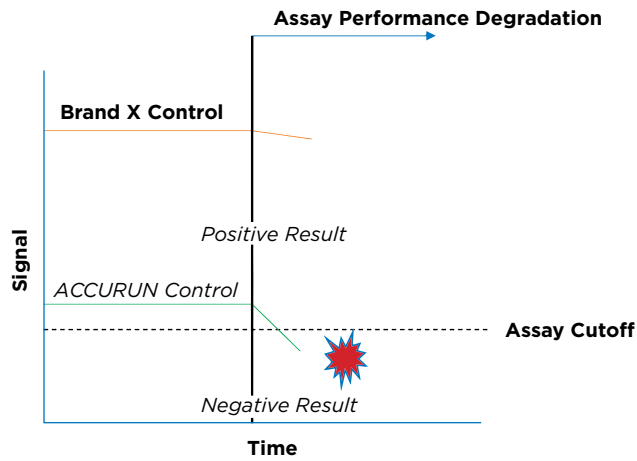
Confidence in your assay results starts with quality controls you can trust. Our facilities are ISO 13485-certified and follow cGMP regulations. This means our products are traceable from sourcing through delivery — ensuring consistent, high-quality QC materials that you can depend on for sensitive daily monitoring of assay performance, providing confidence that reported results are accurate.

**“ Use of independent third party control materials should be considered, either instead of, or in addition to, any control materials supplied by the reagent or instrument manufacturer. ”**

ISO 15189:2012 Section 5.6.2.2 / Medical Laboratories  
– Requirements for quality and competence

## ACCURUN CONTROLS CHECK ALL THE BOXES:

- ✓ **CLINICALLY RELEVANT RANGES:** Specifically designed to be weakly reactive, low-positive controls, ACCURUN truly challenges an assay's performance at critical decision points.
- ✓ **PATIENT-LIKE MATRICES:** ACCURUN controls are formulated to mimic authentic patient samples, as encountered in a daily testing environment.
- ✓ **FULL PROCESS:** Whole virus/organism controls are designed to detect failures at every stage of the testing protocol — from sample prep to detection.
- ✓ **LOT TO LOT CONSISTENCY:** SeraCare produces large lot sizes under cGMP and ISO 13485 conditions. This ensures availability of bulk quantities of a single lot for long-term QC monitoring.
- ✓ **EXTENDED SHELF LIFE:** ACCURUN controls are stable for at least 18 months from date of manufacture.
- ✓ **OPEN VIAL STABILITY:** Once opened, ACCURUN serology controls are stable for at least 60 days.
- ✓ **EASE OF USE:** Controls are offered in ready-to-use liquid format, enabling streamlined lab workflows.



**Scenario 1:** Over time, an assay’s performance begins to degrade, resulting in reduced sensitivity to the target analyte. Brand X control was designed with a high analyte concentration; despite the performance degradation, control values do not shift significantly and continue to deliver strong positive results. In contrast, the ACCURUN control — formulated near the clinical cutoff value in a patient-like matrix — exhibits a rapid shift in reported results, drifting toward negative values. This provides advance warning to the lab that there’s a problem with the assay.

**Scenario 2:** The calibrator provided in an IVD assay kit has begun to degrade, but this change is not detected by the in-kit positive control, as it was formulated with similar raw materials and designed to work specifically with the manufacturer’s assay system; thus, the in-kit control mimics calibrator trends. In contrast, the ACCURUN control immediately identifies the shift in assay performance, alerting lab personnel of a problematic trend that needs to be corrected before patient results are impacted.

**Scenario 3:** A clinical lab has switched to a new lot of a manufacturer’s assay kit. The new kit lot exhibits reduced sensitivity, but this change is not detected by the in-kit positive control, as it was used to determine the cutoff value for the new lot. Because the ACCURUN control was independently manufactured and utilized for long term QC monitoring over many assay kit lots, it picks up the significant shift in sensitivity. Without the use of the independent ACCURUN control, patient results may have been compromised.



## ACCURUN SEROLOGY CONTROLS

- Single and multi-analyte independent controls
- Human-sourced controls that mimic true patient samples
- Specifically formulated as low level positive controls
- Ready-to-use liquid; stable at refrigerated temperatures

### ACCURUN SEROLOGY CONTROLS

Avoid false-positives and false-negatives with ACCURUN serological controls in your assay. Our controls help monitor and troubleshoot test methods to isolate system errors in your laboratory. As a leader in lower limit-of-detection controls, we provide the tools to challenge your assay closer to the assay cut-off, giving confidence in your serology test results.

# TABLE 1: ACCURUN MULTI-MARKER SEROLOGY CONTROLS

PRODUCT NAME	HEPATITIS										TORCH/MMRV										OTHER								
	Anti-HAV (Total)	Anti-HAV IgM	Anti-HAV IgG	Anti-HBc (Total)	Anti-HBc IgM	Anti-HBc IgG	Anti-HBe	Anti-HBs	HBeAg	Anti-HCV	Anti-HIV 1	Anti-HIV 2	Anti-HIV 1&2	Anti-HIV 1&2 IgM	Anti-Mumps IgG	Anti-Rubella IgM	Anti-Rubella IgG	Anti-Tokoplasma IgM	Anti-Tokoplasma IgG	Anti-VZV IgG	Anti-EBNA IgG	Anti-EBV VCA IgM	Anti-EBV VCA IgG	Anti-LyMe IgM	Anti-LyMe IgG	Syphilis (RPR)	Syphilis (Anti-Treponema pallidum) (Chagas)	Anti-Tyranosoma cruzi (Chagas)	
ACCURUN 1 Series 2400	•									•																		CE IVD	•
ACCURUN 1 Series 2500	•									•																		CE IVD	
ACCURUN 1 Series 4000	•									•																		CE IVD	
ACCURUN 1 Series 4400	•									•																		CE IVD	
ACCURUN 1 Series 5600	•									•																		CE IVD	
ACCURUN 2 Series 2700	•									•																		CE	•
ACCURUN 21 Series 1000	•																											CE	
ACCURUN 21 Series 2000	•																											CE	
ACCURUN 21 Series 1000	•																											R	
ACCURUN 21 Series 2000	•																											R	
ACCURUN 24 Confirmatory Control																												IVD	
ACCURUN 25 ToRCH IgG																												CE IVD	
ACCURUN 26 ToRC IgM																												CE IVD	•
ACCURUN 30																												CE IVD	•
ACCURUN 40 Series 5000																												CE IVD	•
ACCURUN 51																												CE IVD	•
ACCURUN 52																												CE IVD	•
ACCURUN 1																												CE IVD	•
ACCURUN 800 ToRCH																												CE IVD	•
ACCURUN 810																												CE IVD	•

**KEY**

- CE Conformité Européenne
- IVD For In Vitro Diagnostic Use
- R For Research Use Only

- 2 °C - 8 °C
- 20 °C
- 70 °C

**MULTI-ANALYTE POSITIVE SEROLOGY CONTROLS:** See page 43 for detailed ordering information.  
**NEGATIVE SEROLOGY CONTROLS:** See page 44 for detailed ordering information.

# TABLE 2: ACCURUN SINGLE MARKER SEROLOGY CONTROLS

PRODUCT NAME	MARKERS			HEPATITIS							TOCH/MMRV										OTHER		COMPLIANCE	STORAGE					
	Anti-HAV (Total)	Anti-HAV IgG	Anti-HAV IgM	Anti-HBc (Total)	Anti-HBc IgG	Anti-HBc IgM	Anti-HBe	Anti-HBs	HBeAg	HBsAg	Anti-HCV	Anti-HIV 1	Anti-HIV 2	Anti-HIV 1&2	Anti-HIV 1/2 IgG	Anti-HSV 1/2 IgM	Anti-Mumps IgG	Anti-Rubella IgG	Anti-Tokoplasma IgM	Anti-Tokoplasma IgG	Anti-VZV IgG	Anti-EBNA IgG			Anti-EBV VCA IgG	Anti-EBV VCA IgM	Anti-Lyme IgM	Anti-Lyme IgG	Syphilis (RPR)
ACCURUN 31																												CE IVD	☉
ACCURUN 106 Series 1000																												CE IVD	☉
ACCURUN 113																												CE IVD	☉
ACCURUN 115																												CE IVD	☉
ACCURUN 117																												CE IVD	☉
ACCURUN 119																												CE IVD	☉
ACCURUN 120																												CE IVD	☉
ACCURUN 121																												CE IVD	☉
ACCURUN 125																												CE IVD	☉
ACCURUN 127																												CE IVD	☉
ACCURUN 130																												CE IVD	☉
ACCURUN 132																												CE IVD	☉
ACCURUN 135																												CE IVD	☉
ACCURUN 136																												CE IVD	☉
ACCURUN 140																												CE IVD	☉
ACCURUN 141																												CE IVD	☉
ACCURUN 145																												CE IVD	☉
ACCURUN 146																												CE IVD	☉
ACCURUN 155 Series 2000																												CE IVD	☉
ACCURUN 155 Series 5000																												CE IVD	☉
ACCURUN 156																												CE IVD	☉
ACCURUN 190																												CE IVD	☉

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- ☉ -20 °C
- ☉ -70 °C

**SINGLE ANALYTE POSITIVE SEROLOGY CONTROLS:** See page 43 for detailed ordering information.



## ACCURUN MOLECULAR CONTROLS

- Whole-cell or whole-organism third party control
- Mimics a patient sample to monitor entire test performance from extraction to detection
- Weak reactivity to challenge your test performance
- Ready-to-use in various sizes
- Consistency lot-to-lot; large lot size availability



Monitor all aspects of your molecular test with a full-process independent control that truly challenges assay performance. ACCURUN molecular controls mimic patient samples and enable monitoring of the entire testing process, from extraction through detection. As a leader in low-positive controls, we provide the tools to challenge your molecular assay near the limit of detection, enabling superior detection of assay variability.

**TABLE 3: ACCURUN MOLECULAR CONTROLS**

	PRODUCT NAME	MARKERS										COMPLIANCE	STORAGE
		HBV DNA	HCV RNA	HIV-1 RNA	CT/NG Nucleic Acid	HPV Type 16 DNA	HPV Type 18 DNA	C. difficile	Cystic Fibrosis	Ebola	Zika		
POSITIVE MOLECULAR CONTROLS	ACCURUN 305 Series 100	●										CE IVD	⚡
	ACCURUN 305 Series 150	●										CE IVD	⚡
	ACCURUN 305 Series 300	●										CE IVD	⚡
	ACCURUN 305 Series 400	●										CE IVD	⚡
	ACCURUN 306 Series 500	●										R	⚡
	ACCURUN 315 Series 150		●									CE IVD	⚡
	ACCURUN 315 Series 200		●									CE IVD	⚡
	ACCURUN 315 Series 400		●									CE IVD	⚡
	ACCURUN 315 Series 500		●									CE IVD	⚡
	ACCURUN 325 Series 200	●										CE IVD	❄️
	ACCURUN 325 Series 700	●										CE IVD	❄️
	ACCURUN 342 Series 100				●							CE IVD	💧
	ACCURUN 342 Series 700				●							CE IVD	💧
	ACCURUN 345 Series 150	●	●	●								CE IVD	⚡
	ACCURUN 372 Series 400				●							CE IVD	💧
	ACCURUN 372 Series 600				●							CE IVD	💧
	ACCURUN 378 Series 5000				●							CE IVD	💧
	ACCURUN 381				●	●						CE IVD	💧
ACCURUN 501						●					CE IVD	💧	
REFERENCE MATERIALS	AccuPlex Ebola								●			R	❄️
	AccuPlex Zika									●		R	❄️
	ACCURUN 644							●				R	❄️
	ACCURUN 676							●				R	❄️
NEGATIVE CONTROLS	ACCURUN 803	●	●	●								CE IVD	❄️
	ACCURUN 841				●							CE IVD	💧
	ACCURUN 872				●	●						CE IVD	💧
	ACCURUN 873				●	●						CE IVD	💧

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**POSITIVE MOLECULAR CONTROLS:** See page 44 for detailed ordering information.  
**NEGATIVE MOLECULAR CONTROLS:** See page 45 for detailed ordering information.  
**GENETIC REFERENCE MATERIALS:** See page 45 for detailed ordering information.

# KPL IMMUNOASSAY REAGENTS

## AN INNOVATOR IN PROTEIN DETECTION

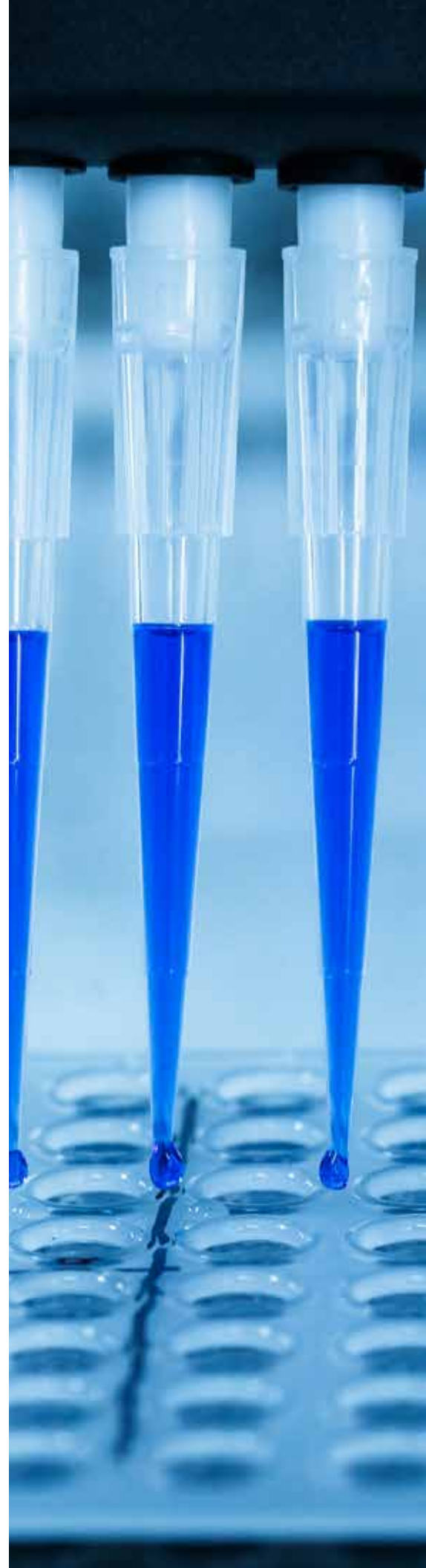
As the first to commercialize antigen affinity-purified antibodies and a pioneer in ready-to-use ELISA substrates, SeraCare's KPL line has been at the forefront of protein detection technology from the beginning. This innovation, paired with exceptional performance and consistent quality, is why customers keep coming back to SeraCare's KPL immunoassay reagents.

## PROTEIN DETECTION WITH MORE SIGNAL, LESS NOISE

An extensive menu of immunoassay reagents, substrates, and antibodies means SeraCare caters to the unique needs of a broad spectrum of users. Whether developing diagnostic assays or conducting clinical research, SeraCare's KPL line of products provide high performance, high signal-to-noise ratio, and high purity to enhance assay sensitivity and specificity.

## QUALITY AND RELIABILITY, LOT AFTER LOT

Exceptional performance is built on high quality products. With such a large selection of immunoassay products and a range of pricing, SeraCare has an offering to fit most budgets. SeraCare has been a trusted supplier of reagents for commercially available human and animal assays and research for over three decades. Our commitment to strict quality standards allows for consistent performance lot after lot.



# WHY CHOOSE SERACARE KPL IMMUNOASSAY REAGENTS?



## UNSURPASSED EXPERIENCE

We bring over three decades of experience to our products.



## LEADING PERFORMANCE

Our antigen affinity-purification processes yield pure antibodies with high signal-to-noise, defined specificity, and lot-to-lot consistency.



## BROAD OFFERING

SeraCare offers a comprehensive portfolio of more than 600 immunoassay products including colorimetric and chemiluminescent reagents, stable liquid substrates for peroxidase and phosphatase detection, blocks, washes, buffers, and stopping reagents. In addition, you can select from over 500 antibodies to immunoglobulins of twenty animal species labeled with eighteen tags, as well as our innovative BacTrace® line. Power your ELISA, blotting, and immunohistochemistry applications with KPL brand products.



## HIGHEST QUALITY

All products are produced under an ISO 13485:2016 quality system. We utilize APHIS (Animal and Plant Health Inspection Service) and USDA-approved animal facilities.



## IN STOCK

We maintain >98% availability for same-day shipment.



## TECHNICAL SUPPORT

Our team of scientists support your project from start to finish. Let us assist you in selecting technologies and reagents that will enhance your research and shorten your development cycle and time to market. Tailor-made, custom, and bulk quantity solutions are also available. Contact our experts today!

# ELISA

## PIONEER IN ELISA

SeraCare has been a pioneer and leading provider of ELISA reagents since offering one of the first ready-to-use ELISA substrates in the early 1980s. SeraCare was also first to offer antigen affinity-purified antibodies. We provide a wide selection of KPL substrates, antibodies, conjugates and kits to accommodate all levels of detection sensitivity.

## ELIMINATE ASSAY VARIABILITY

Reagent reproducibility and stability are key to ELISA development in order to eliminate assay variability. Introducing new lots of material over time should not affect your assay performance. We understand that. Knowing SeraCare manufactures ELISA reagents in our ISO 13485-certified facility gives you confidence that your reagents maintain high performance and consistency from lot to lot.

## SUBSTRATES

One of the most critical decisions when it comes to successful ELISA or Western design is selection of a substrate with sufficient sensitivity in tandem with low background. Substrates can be divided into two broad categories based on the type of detection method.

Chemiluminescent detection tends to provide the highest sensitivity and fewer steps while colorimetric detection tends to have better stability and is more economical. SeraCare offers a variety of options for both detection methods to meet your specific needs. Our extensive substrate offering is shown in **Table 4: Substrate Selection Guide**. Refer to pages 58 - 60 for ordering details.

## ANTIBODIES

SeraCare also offers a wide selection of secondary antibodies as well as a unique set of primary antibodies for infectious disease and food pathology targets. See pages 23 - 25 for more detail.

## SUPPORT REAGENTS

In addition to primary and secondary antibodies, SeraCare offers a range of support reagents including blocking, coating, wash and stop solutions providing everything needed for your ELISA assay. We also offer “all-included” reagent kits for added convenience. You only need to provide the primary antibody and target antigen. See pages 28 - 29 for more detail.

**Table 4: Substrate Selection Guide**

ELISA/Western	Substrate	Enzyme	Sensitivity	Stability	Format	Stop Solution
E	KPL SureBlue Reserve TMB	HRP	●●●●●	●●●●	Ready-to-use	KPL TMB Stop KPL TMB BlueSTOP
E	KPL TMB 2-C	HRP	●●●●	●●●●●	2-component	KPL TMB Stop KPL TMB BlueSTOP
E	KPL SureBlue TMB	HRP	●●●	●●●●	Ready-to-use	KPL TMB Stop KPL TMB BlueSTOP
E	KPL BluePhos	AP	●●●	●●●	2-component	KPL APStop
E	KPL ABTS 1-C	HRP	●●	●●●●●	Ready-to-use	KPL HRP Stop
E	KPL ABTS 2-C	HRP	●●	●●●●●	2-component	KPL HRP Stop
E	KPL pNPP	AP	●	●●●●	Tablet & buffer x0001E	KPL APStop
W	KPL TMB Membrane	HRP	●●●	●●●●	Ready-to-use	N/A
W	KPL 4CN	HRP	●●	●●●●	2-component	N/A
W	KPL BCIP/NBT	AP	●●	●●●	Ready-to-use	N/A
E, W	KPL LumiGLO	HRP	●●●	●●●	2-component	N/A
E, W	KPL PhosphaGLO	AP	●●●●	●●●	Ready-to-use	N/A
E, W	KPL PhosphaGLO Reserve	AP	●●●●●	●●●	Ready-to-use	N/A
E, W	KPL LumiGLO Reserve	HRP	●●●●●	●●●	2-component	N/A

## HOW TO CHOOSE THE RIGHT ELISA SUBSTRATE

Which ELISA substrate is best for your assay will vary depending on several factors. Consider these criteria to help choose:

### SENSITIVITY:

Select a substrate that will work at or slightly below the limits of detection required in your assay. This will reduce optimization efforts. The more sensitive a substrate, the more non-specific binding you will have to optimize out.

### EASE-OF-USE:

Various substrates require different preparations to yield a working substrate solution. Ready-to-use substrates are easier to use and better suited for automated equipment.

### STABILITY:

Ready-to-use substrates tend to be less stable than substrates requiring some preparation. Evaluate how quickly you will use the substrate to ensure it is stable through its entire use life.

### EQUIPMENT:

Your ELISA assay's detection method will determine which type of substrate to use. Chemiluminescent detection requires a luminometer, while colorimetric detection only requires a plate spectrophotometer. Your equipment will impact the level of assay sensitivity achievable.

### PRICE:

More sensitive and ready-to-use substrates tend to cost more, but there are options available for any budget.

# WESTERN BLOTTING

## MEMBRANE-BASED IMMUNODETECTION

Western blotting is a membrane-based immunodetection technique for proteins. The advantage of western blotting is its ability to confirm target proteins with the additional dimension of molecular weight, thus distinguishing the target from other proteins.

## COLORIMETRIC, CHEMILUMINESCENT, & FLUORESCENT DETECTION OPTIONS

Similar to ELISA, western blotting leverages colorimetric and chemiluminescent detection. While chemiluminescent detection tends to provide higher sensitivity and fewer steps, colorimetric detection tends to have better stability and is more economical. Fluorescent detection, a useful third option for western blotting, offers similar sensitivity to chemiluminescent detection with the added ability to multiplex probes so more than one target can be detected in the same reaction, improving potential throughput. To determine which detection method is best for your western blotting needs please refer to **Figure 1: Detection System Selection Guide** first, followed by **Table 5** to see our kit offering.

## WESTERN BLOTTING SUPPORT REAGENTS

SeraCare carries a broad range of support reagents for western blotting as well as individual kit components. Refer to **Table 4** for western blotting substrate selection. For western blotting blockers, wash solutions and buffers that reduce background and improve reproducibility, *refer to pages 58 - 59 for ordering details.*



Figure 1: What Detection System Should I Use?

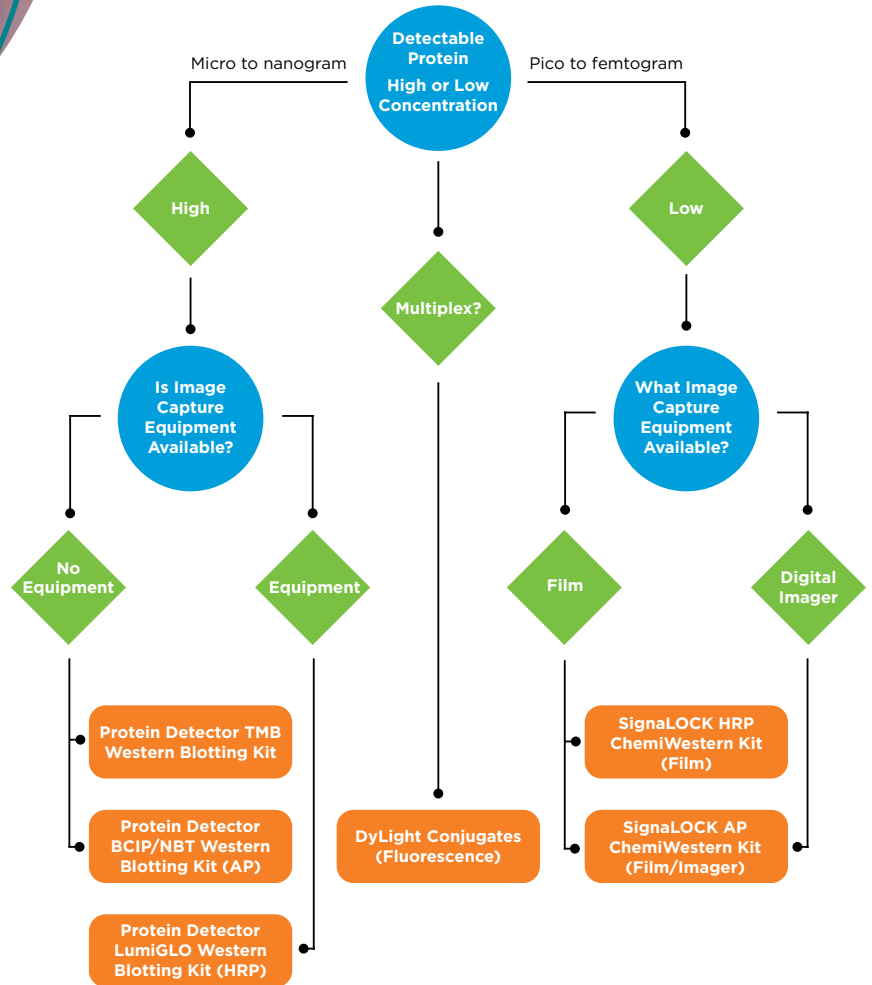


Table 5: Western Blotting Kit

Western Blotting Kits	Enzyme	Detection Sensitivity	Stability	Substrate Format
KPL Protein Detector LumiGLO Western Blotting Kit	HRP	Low Picogram	● ● ●	2-Component
KPL Protein Detector TMB Western Blotting Kit	HRP	Picogram	● ● ● ●	Ready-to-use
KPL Protein Detector BCIP/NBT Western Blotting Kit	AP	High Picogram	● ● ●	Ready-to-use
KPL SignalLOCK HRP ChemiWestern Kit (Film)	HRP	Low Femtogram	● ● ●	2-Component
KPL SignalLOCK HRP ChemiWestern Kit (Film/Imager)	AP	Femtogram	● ● ●	Ready-to-use

For ordering details please refer to pages 58 - 59.

# SECONDARY ANTIBODIES AND CONJUGATES

SeraCare offers a wide selection of secondary antibodies against 20 different animal species and a variety of different immunoglobulins. Our polyclonal antibodies are obtained from the serum of goats or rabbits immunized with a particular antigen. The antiserum is affinity-purified to remove non-specific antibodies, increasing sensitivity and reducing background.

Knowing important details about our antibodies will help you understand and select the right antibody that meets your assay requirements. **Table 6** and the associated descriptions below will help guide your decision. See pages 46 - 57 for ordering details.

## A. ANTI-HEAVY CHAIN SPECIFIC ANTIBODIES

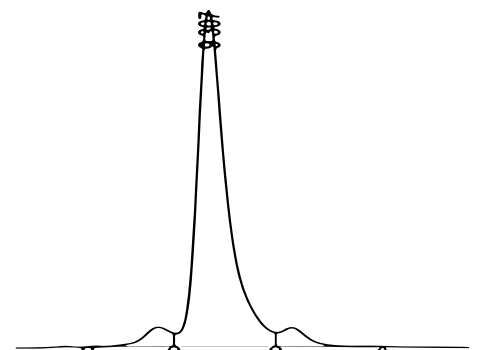
Anti-heavy chain specific antibodies, IgG, IgM, IgA, and IgE, react specifically with the heavy chain indicated in the product name. Reactivity with other immunoglobulin classes is minimized through affinity chromatography. Heavy chain specific antibodies are adsorbed against the whole antibody molecule of other immunoglobulin classes to remove shared heavy and light chain reactivity. Anti-heavy chain specific antibodies are useful for quantitation of the exact heavy chain class of antibody in samples containing other immunoglobulins and proteins such as serum or tissue culture media. Anti-heavy chain antibodies are also used to improve sensitivity and specificity of serological assays.

## B. ANTI-HEAVY AND LIGHT CHAIN (H+L) ANTIBODIES

Antibodies to IgG heavy and light chain (H+L) recognize epitopes on both heavy and light chains of IgG and may react with other immunoglobulin classes that have light chains in common with IgG. The anti-IgG (H+L) antibodies are tested for reactivity to IgG. The extent to which they react with other immunoglobulin classes is not tested and may vary from one lot to another. Antibodies to IgG (H+L) are widely used for detecting IgG in serological immunoassays where broad immunoglobulin reactivity is desirable.

**Table 6: Secondary Antibody Selection Guide**

Target Ig Classes Offered	Recommended For	Description
IgA (α)	Targeting IgA	A
IgE (ε)	Targeting IgE	A
IgG (γ)	Targeting IgG	A
IgM (μ)	Targeting IgM	A
IgG (H+L)	Good choice when broad immunoglobulin reactivity is desired	B
IgG+IgM (H+L), HSE	Even broader reactivity than IgG (H+L)	C
IgA+IgG+IgM (H+L)	Broadest Immunoglobulin detection	D
IgG (Fc)	Targets the Fc region of IgG	E
F(ab') <sub>2</sub> Fragments	Applications where non-specific binding via Fc receptors may be an issue	E



**Figure 2: Purity**

We monitor the purity of our antibodies using HPLC size exclusion prior to affinity purification. Shown are HPLC results for anti-mouse IgG — one significant peak indicates the purity of the protein and the lack of contaminating substances.



**Figure 3: Sensitivity and Specificity**

Shown are western blots comparing SeraCare's KPL Anti-Mouse IgG (H+L), Human Serum Adsorbed and Peroxidase-Labeld (material # 5450-0011) with leading competitors under identical assay conditions. The KPL antibody demonstrates stronger signal and higher signal-to-noise.

### C. ANTI-IgG+IgM (H+L) ANTIBODIES

Antibody products directed against IgG and IgM (H+L) contain an equal mixture of two antibodies that recognize reactive sites specific for IgG and IgM. Every product lot is tested for reactivity to IgG and IgM. The level of reactivity that may occur to other immunoglobulin classes through shared light chain activity is not tested. HSE indicates that the product has been cross-adsorbed with human serum to reduce cross-reactivity to human immunoglobulin. These products are recommended for use in assays where reproducible detection of both IgG and IgM is desired.

### D. ANTI-IgA+IgG+IgM (H+L) ANTIBODIES

Antibodies directed against IgA+IgG+IgM (H+L) contain an equal mixture of three antibodies that recognize reactive sites specific to IgA, IgM, and IgG. Other shared sites through light chain cross-reactivity may also be present. Every product lot is tested for reactivity to each of these three immunoglobulin classes. These products are best used when measurement of all three classes of antibodies needs to be controlled in an immunoassay.

### E. F(ab')<sub>2</sub> AND Fc FRAGMENT AFFINITY PURIFIED ANTIBODIES

F(ab')<sub>2</sub> fragment antibodies are specifically developed to enhance signal in assays where the presence of an Fc receptor on cells can nonspecifically bind to whole antibody molecules. F(ab')<sub>2</sub> antibodies can also be used to reduce background in assays which involve bacterial contamination, and to increase sensitivity in immunohistochemical applications where smaller antibody molecules are needed to diffuse through tissues. For IgG(Fc), a polyclonal secondary antibody has been raised to the Fc region of IgG.

## CONJUGATES

SeraCare offers antibodies that come conjugated with a variety of labels for use in a range of detection techniques. We also offer protein labeling kits for instances when a pre-existing labeled conjugate is not available (*see Supporting Reagents and Kits section, pages 28 - 29 for more information*). Custom labeling performed by the SeraCare R&D team is also an available option. **Table 7** illustrates the variety of labels that can be conjugated to SeraCare antibodies and recommendations on conjugate use. *Refer to pages 46 - 57 for conjugate ordering details.*

**Table 7: Choosing the Right Conjugate**

Label	Ex/Em*	Main Feature/Benefits
HRP	N/A	Most popular enzyme due to high sensitivity and large selection of appropriate substrates
AP	N/A	Longevity of signal; many substrates available
Reserve AP	N/A	Greater sensitivity than traditional AP conjugates
Biotin	N/A	Low background; allows for enhanced sensitivity when paired with labeled streptavidin
DyLight 488	493/518	Green; high sensitivity, low background, and enhanced photostability
FITC	495/528	Green; easily visualized
R-PE	546/575	Red; brighter and offers greater photostability than traditional fluorophores
Cy3	550/570	Yellow; brighter and offers greater photostability than traditional fluorophores
TRITC	555/580	Red; good for multiplexing
Cy5	650/670	Red; brighter and offers greater photostability than traditional fluorophores
DyLight 680	682/715	Near infrared; high sensitivity, low background, and enhanced photostability
DyLight 800	770/794	Infrared; high sensitivity, low background, and enhanced photostability

\*Excitation and emission spectra in nanometers

ELISA, Western blotting, IHC

IHC, flow cytometry, Western blotting, microarrays and fluorophore-linked immunosorbent assays

**SERACARE  
PIONEERED THE  
COMMERCIALIZATION  
OF ANTIGEN  
AFFINITY-PURIFIED  
ANTIBODIES**



# BacTrace® PRIMARY ANTIBODIES AND CONTROLS

## KPL BACTRACE ANTIBODIES

SeraCare's portfolio of KPL BacTrace anti-bacteria antibodies has helped researchers understand and diagnose food pathology and infectious disease for more than 30 years. Refer to page 57 - 58 for BacTrace antibody ordering details.

## HIGH SENSITIVITY AND SPECIFICITY

Our polyclonal antibodies recognize a variety of target bacterial antigens, thus greatly amplifying the signal and providing maximum detection. And our proprietary affinity purification method ensures high specificity, resulting in fewer false-positives.

## GUARANTEED PERFORMANCE AND LOT-TO-LOT CONSISTENCY

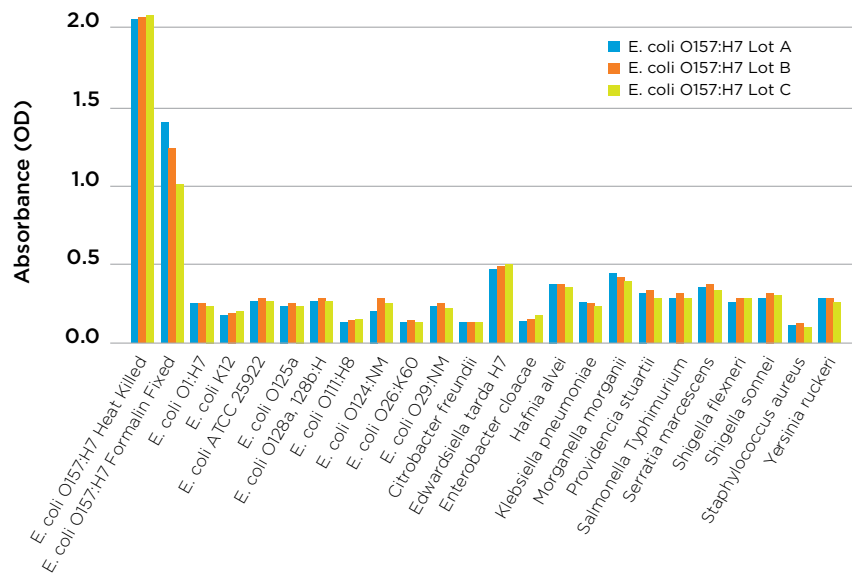
KPL BacTrace antibodies are manufactured in-house so we can control production from raw materials through delivery to your laboratory. Extensive in-house quality control release testing ensures reproducibility between lots, accelerating your optimization efforts. See **Figure 4**.

**Table 8: BacTrace Antibody Selection Guide**

BacTrace Antibodies to Food-borne Pathogens	AVAILABLE LABELS								
	Unlabeled	Magnetic Beads	Latex Beads	Phosphatase	Biotin	ReserveAP	FITC	DyLight 488	Positive Control Available*
Camylobacter	●								●
E. coli O157:H7	●	●	●		●				●
E. coli O157:H7 Molecular Grade	●								●
E. coli O111	●	●	●		●			●	●
E. coli O26	●	●	●		●			●	●
E. coli O103	●	●	●		●			●	●
E. coli O145	●	●	●		●			●	●
E. coli O121	●	●	●		●			●	●
E. coli O45	●	●	●		●			●	●
E. coli O104	●	●							●
E. coli O91	●	●							●
Listeria species	●				●			●	●
Listeria species High Sensitivity	●	●			●	●	●		●
Salmonella Common Structural Antigen (CSA-1)	●	●	●	●	●		●		●
Salmonella Common Structural Antigen (CSA-1) Molecular Grade	●								●
Salmonella CSA+	●								●
Shigella	●							●	●
Vibrio species	●				●			●	●
Vibrio cholera	●								●
<b>BacTrace Antibodies to Infectious Disease Agents</b>									
Helicobacter pylori	●								●
Yersinia species	●				●			●	●
Borrelia burgdorferi	●			●			●		●
Borrelia species	●								●
Legionella species	●								●
<b>Other BacTrace Antibodies</b>									
Renibacterium salmoninarum	●			●			●		●
Clavibacter michiganensis	●								●

\*Positive controls are derived from heat killed bacteria

**Figure 4: Reproducibility of BacTrace Anti-E. coli O157:H7 Antibody**



# IMMUNOHISTOCHEMISTRY

## TISSUE-BASED IMMUNODETECTION

Immunohistochemistry (IHC) is immunostaining applied to tissue sections. The process allows visualization of cell morphology within the tissue section along with target antigens and their distribution within the cell or tissue. SeraCare's line of kits and reagents include some of the most sensitive immunochemistry substrates available.

## COLORIMETRIC OR FLUORESCENT DETECTION

Colorimetric staining involves an enzyme conjugated to an antibody. In the presence of substrate, an intensely colored product deposits directly on the antigen location and can be seen under a light microscope. Alternatively, with fluorescent staining, the antibody is tagged with a fluorophore, such as Cy dyes or DyLight dyes, which can be directly detected under a fluorescence microscope. Which method to choose will depend on the abundance of the target antigen, desired ease-of-use, and equipment access (fluorescent or light microscope). Whether utilizing colorimetric or fluorescent methods, SeraCare has a range of products that facilitate accurate and sensitive staining.

## KPL TrueBlue™ — SUPER SENSITIVE SUBSTRATE FOR PLAQUE ASSAYS AND IMMUNOHISTOCHEMISTRY

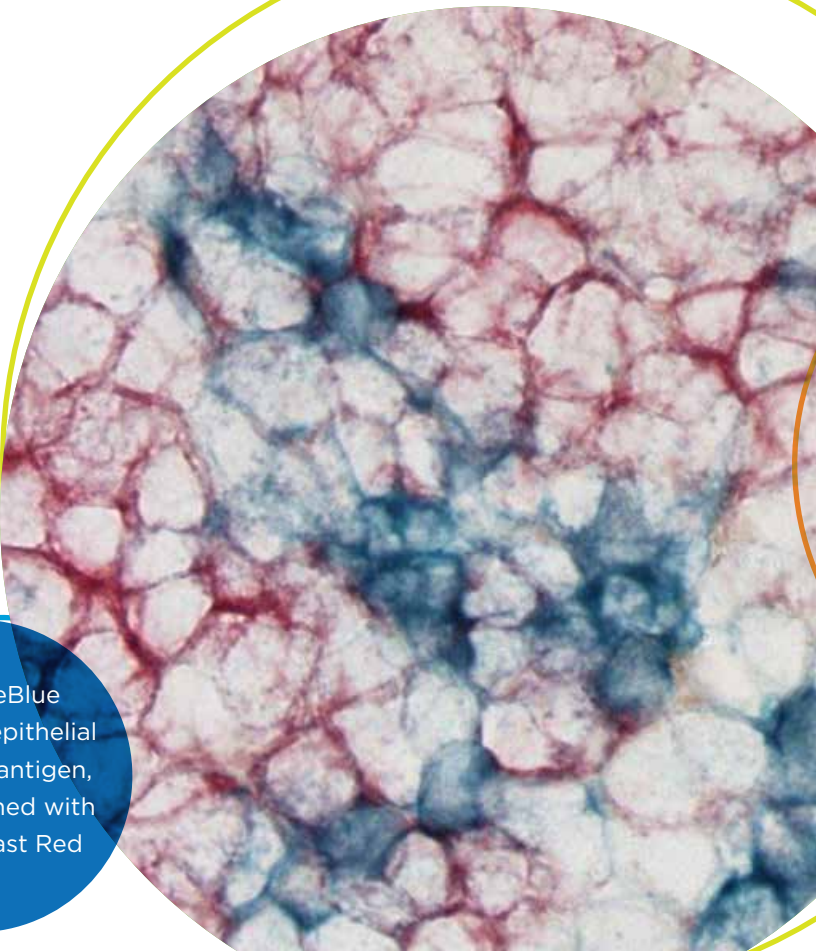
Recommended for detection of low abundance markers using HRP conjugates and suitable for viral plaque assays, KPL TrueBlue provides 50 times greater sensitivity than traditional DAB (3,3'-diaminobenzidine) preparations. Improved 3,3',5,5'-tetramethylbenzidine (TMB) and H<sub>2</sub>O<sub>2</sub> chemistry enables stable, permanent blue color in a single step. The reagents are non-carcinogenic and insoluble in alcohols and xylene. KPL TrueBlue provides excellent contrast with DAB in double-labeling or counter stain experiments.

## KPL HISTOMARK IMMUNOHISTOCHEMICAL STAINING SYSTEMS

SeraCare offers standalone substrates and a line of staining systems for the detection of peroxidase, phosphatase, and  $\beta$ -galactosidase-labeled conjugates. Visualization is based on enzymatic conversion of colorimetric substrates into a stable precipitate that provides a permanent record. These kits offer a variety of contrasting colors for multiple staining applications. See **Table 9** for a comparison of substrate staining systems. *Refer to pages 60 - 61 for ordering details.*

## COUNTERSTAINS

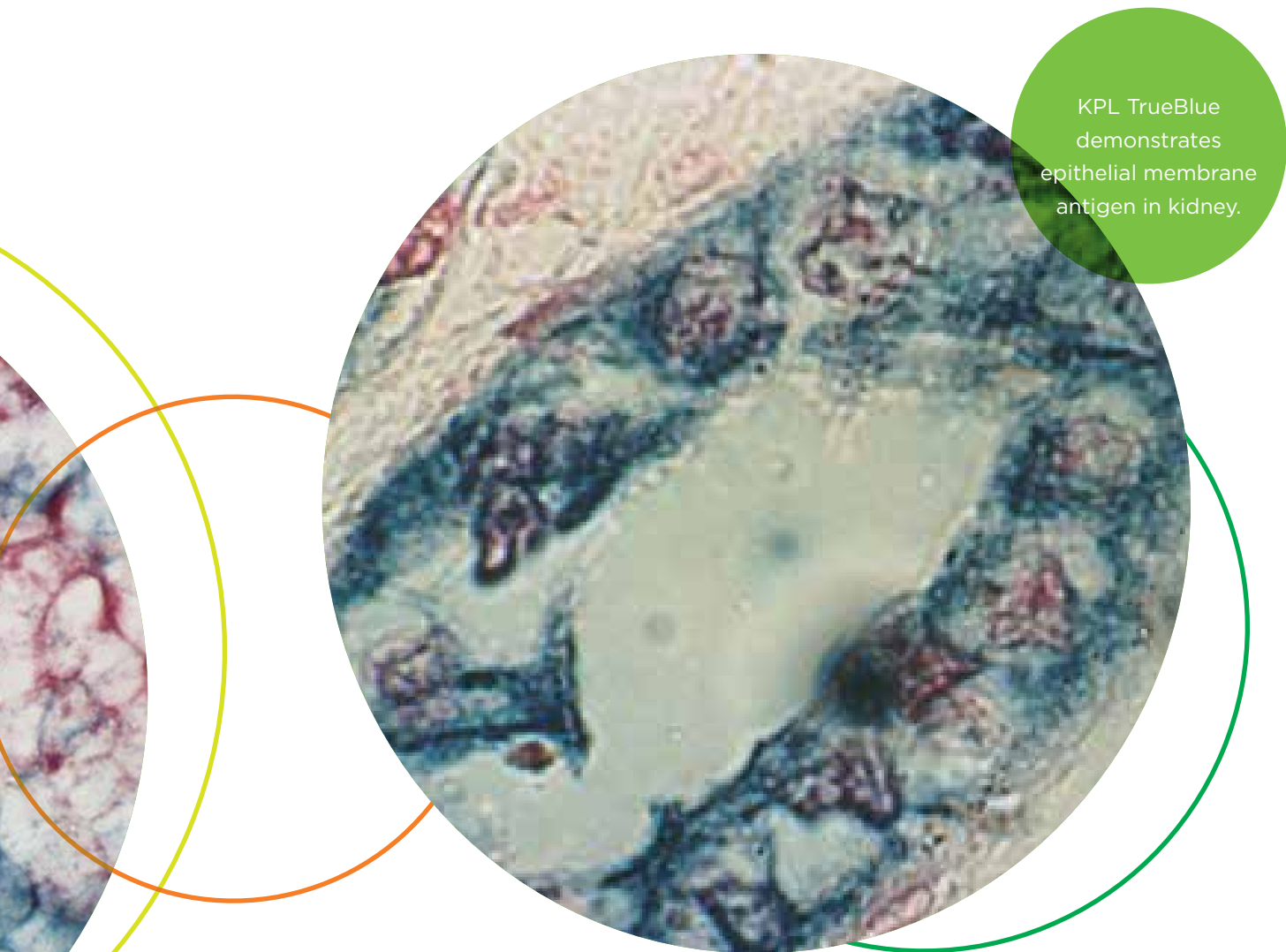
SeraCare's selection of counterstains enables visualization of cell nuclei and interpretation of tissue morphology. They provide sharp contrast with the principal stain and improve nuclear detail. Several counterstains can be used with multiple substrates. *Refer to page 61 for ordering details.*



KPL TrueBlue  
staining of epithelial  
membrane antigen,  
counterstained with  
KPL Contrast Red

**Table 9: Substrate Staining System Selection Guide**

Substrate Staining System	Enzyme	Format	Color	Key Features
HistoMark TrueBlue	HRP	Ready-to-use	Blue	50 - 100 times more sensitive than DAB; non-carcinogenic
DAB Reagent Set	HRP	3-component liquid	Brown	Can be made electron-dense
Stable DAB	HRP	2-component liquid	Brown	Stable for 2 weeks at 2 - 8°C after mixing
HistoMark BLACK	HRP	3-component liquid	Black	Enhanced DAB provides high sensitivity
HistoMark ORANGE	HRP	3-component liquid	Red-Orange	Enhanced DAB provides high sensitivity
HistoMark RED	AP	3-component liquid	Red	Contains levamisole to inhibit endogenous AP
HistoMark BLUE	AP	3-component liquid	Blue	Contains levamisole to inhibit endogenous AP
HistoMark X-Gal	β-Gal	2-component liquid	Aqua	No need to block endogenous HRP and AP enzyme



# SUPPORTING REAGENTS AND KITS

SeraCare provides a broad range of reagents, buffers, and accessories to power the most demanding immunoassays. Save time and improve sensitivity by using standardized reagents from a reliable source. Our support reagents are formulated to ensure accurate, reproducible results, and are manufactured with ISO 13485:2016 quality standards to provide consistent performance lot after lot. In addition to off-the-shelf formulations, most products are available in custom bulk pack sizes as well. Refer to **Table 10** for Immunoassay Supporting Reagents and Kits ordering details.

## BLOCKING SOLUTIONS

SeraCare offers a wide variety of blocking solutions for immunoassay experiments. Our product range extends from proprietary high-sensitivity, non-animal origin, protein-free blocking solutions in our SignalLOCK™ line to more traditional nonfat dried milk or BSA. All are ideal solutions for optimizing immunoassay detection limits. *For offering and order detail refer to page 62.*

## WASH SOLUTIONS AND BUFFERS

Convenient concentrates for most immunoassay applications; help reduce non-specific binding and maintaining immunoassay integrity. Save time and maintain consistency with a variety of preformulated concentrates. Different buffer chemistries allow for compatibility in many different immunoassay formats. Both Tris and phosphate-buffered options are available, including: Dulbecco's PBS, PBST, TBS, TBST, and Tris-Glycine. *For offering and order detail refer to pages 62 - 63.*

## ELISA SUBSTRATE STOP SOLUTIONS

Designed for use with KPL colorimetric substrates, stop solutions allow for a consistent stop point to your ELISA assays. Stop solutions enable more consistent results from plate to plate and many may be used for high-throughput experiments. Refer to **Table 4: Substrate Selection Guide**, for recommended Stop Solutions and *page 60 for ordering details.*



**Table 10: Supporting Reagents and Kits Guide**

Supporting Kits & Reagents	Purpose	Refer to page
Blocking Solutions	Blocks remaining surface preventing non-specific binding from occurring	62
Wash Solutions	Washes away non-specific binding from the surface after non-specific binding has occurred	62
Buffers	Eliminates the need for time- consuming reagent preparation	62
ELISA Substrate Stop Solutions	Stops enzyme substrates at a specific point in color development for consistent ELISA results	60
Conjugate Stabilizers	Stabilizes enzyme conjugates in solution	62
Protein A and G Purification Kits	Kits that contain everything needed to purify antibodies	62
Recombinant Protein Detection/Analysis	Conjugates and kits to detect his-tagged recombinant proteins	62
Protein Labeling Kits and Reagents	Label proteins with enzymes, biotin or fluorescein	64





## PANELS

SeraCare's portfolio of validation and qualification panels allows clinicians and researchers to assess overall assay performance. Whether generating validation data for a regulatory submission or performing assay verification in a clinical lab setting, our panel products offer a comprehensive solution to rigorously evaluate your infectious disease tests.

With so many options, selecting which panel type to use and for what purpose can be daunting, especially when an ACCURUN Serological or Molecular control could also be considered. The Control and Panel Selection Guide (**Table 11**) will help select your best options for Method Validation, Compliance and Daily QC needs.

# VALIDATION, VERIFICATION, AND QUALIFICATION MATERIAL

## HIGHLY CHARACTERIZED

SeraCare provides a comprehensive and highly characterized set of data for all validation and qualification panels to support the demanding needs of IVD assay development. Our panels serve as valuable tools to support compliance with FDA and EU IVDR requirements for assay clearance. Our suite of products will allow you to confidently develop, challenge, troubleshoot, verify and validate your assay from initial proof of concept to production and beyond.

## LEADING SUPPLIER

Our Panels and Disease State Materials are so highly regarded that they are referenced in IVD manufacturers, package inserts, comparative test kit studies and peer-reviewed scientific journals, paving the way forward for assays, regulatory submission. But don't take our word for it. Our Panels have also been referenced by the World Health Organization for comparative studies of HIV test kit performance.<sup>1</sup>

## INTEGRATE WITH ACCURUN® CONTROLS

Validating and qualifying your assay throughout its development is a necessary and time-consuming process. SeraCare's panels make that job easier. Consider also incorporating SeraCare's ACCURUN Controls to your quality control workflow so that once you've completed your assay validation, ACCURUN Controls can also reassure you that your assay is running at optimal performance.

### References

1. WHO (2015) HIV Assays: Lab Performance and Other Operational Characteristics. Report 18. Rapid Diagnostic Tests ([https://www.who.int/diagnostics\\_laboratory/evaluations/hiv/en/](https://www.who.int/diagnostics_laboratory/evaluations/hiv/en/))

ACCURUN Serological Controls  
 ACCURUN Molecular Controls  
 AccuTrak Qualification Panels  
 AccuSpan Linearity Panels  
 AccuSet Performance Panels  
 AccuVert Seroconversion Panels

**Table 11: Control and Panel Selection Guide**

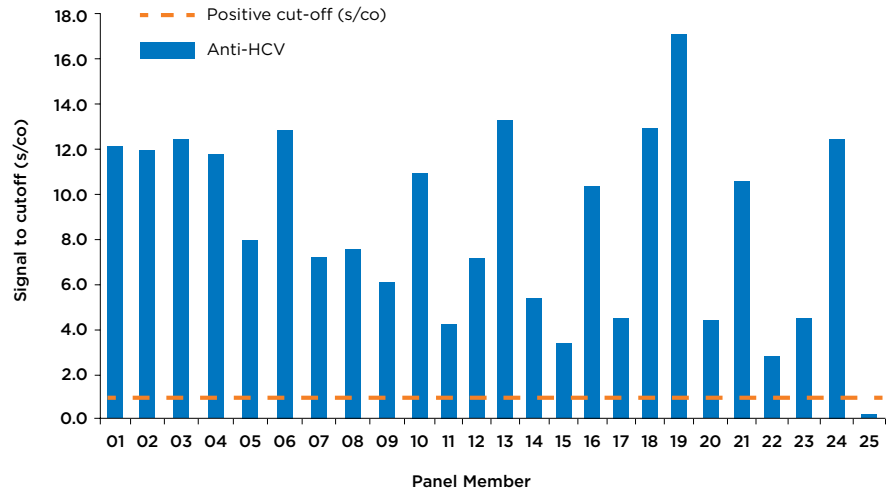
Method Validation						
Evaluate antibody/antigen test sensitivity	●				●	●
Evaluate nucleic acid test sensitivity		●		●		
Evaluate test specificity					●	●
Evaluate test precision	●	●				
Evaluate test linearity				●		
Compliance						
Protocol training/competency	●	●	●			
Document regulatory compliance	●	●	●		●	
Daily QC						
Perform reagent lot acceptance	●	●	●			
Troubleshoot	●	●	●	●		
Perform daily run control	●	●				
Perform inter-site comparison			●	●	●	
Monitor for test interference/contamination	●	●			●	

**Key**  
 ● Best choice  
 ● Can be used, other product may work better

## PERFORMANCE PANELS

AccuSet™ Performance Panels consist of naturally occurring plasma samples collected from multiple donors of varied analyte concentrations, genotypes and/or demographic diversity. Panel members are characterized by disease markers across multiple test methods and platforms to provide comparative data sets for your evaluation. This allows you to benchmark your assay's performance against other industry leading manufacturers. Use our performance panels to evaluate assay specificity, sensitivity, and reproducibility throughout assay development and validation.

**Figure 5:** Example of performance data from the AccuSet™ HCV Performance Panel tested for Anti-HCV on the Abbott ARCHITECT test method.



**SERACARE  
DEVELOPED THE  
INDUSTRY'S FIRST  
SEROCONVERSION  
PANELS BACK IN  
THE 1980'S.**

## QUALIFICATION PANELS

AccuTrak™ Qualification Panels are consistently manufactured from human plasma or serum positive for disease state analytes with confirmed reactivity in serological, molecular, or genotype assays. AccuTrak™ Qualification Panels are designed as a reliable, consistent, cost-effective solution for your assay's QC program. These panels are well-suited for troubleshooting and lot change evaluations. They also serve as an excellent source of affordable reference materials for personnel training on new and existing equipment.

**Table 12: Available Analytes by Panel**

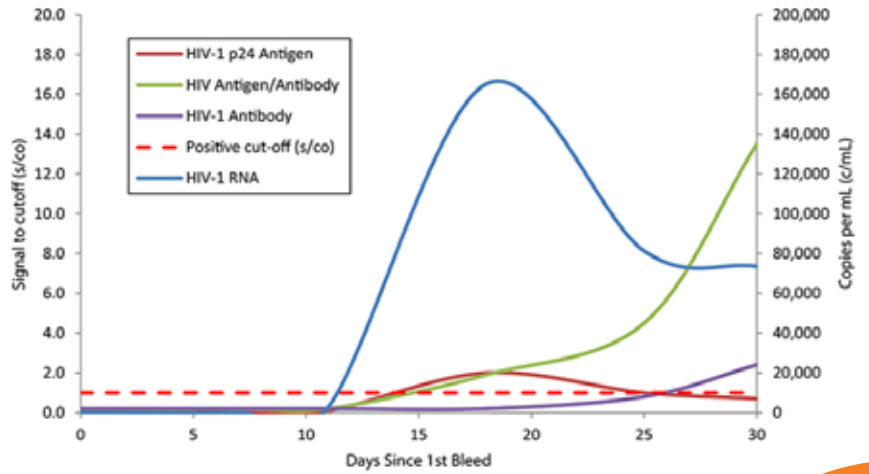
Analytes/Targets	AccuSpan Linearity Panels	AccuVert Seroconversion Panels	AccuSet Performance Panels	AccuTrak Qualification Panels
Autoimmune			●	
Babesia			●	
Chagas		●	●	
CMV	●	●	●	●
Dengue			●	●
EBV			●	
HAV		●	●	
HBV	●	●	●	●
HCV	●	●	●	●
HIV	●	●	●	●
HPV				●
HSV			●	
HTLV			●	●
Lyme			●	
Parvovirus			●	
Rubella			●	
Syphilis		●	●	●
Toxoplasmosis			●	
West Nile		●		
Zika	●		●	



## SEROCONVERSION PANELS

AccuVert™ Seroconversion Panels consist of naturally occurring plasma samples collected from a single donor during the development and progression of infection and subsequent immune response. Each seroconversion panel represents a unique donor and is characterized across multiple test methods and platforms to provide comparative data sets for each analyte. These rare panels are ideal for confirming that an assay can detect disease in patient samples at different stages of infection, and are required for regulatory submissions in some regions. Seroconversion panels are manufactured in a cGMP facility to ensure each batch provides consistent, reliable material to challenge your assay during its development.

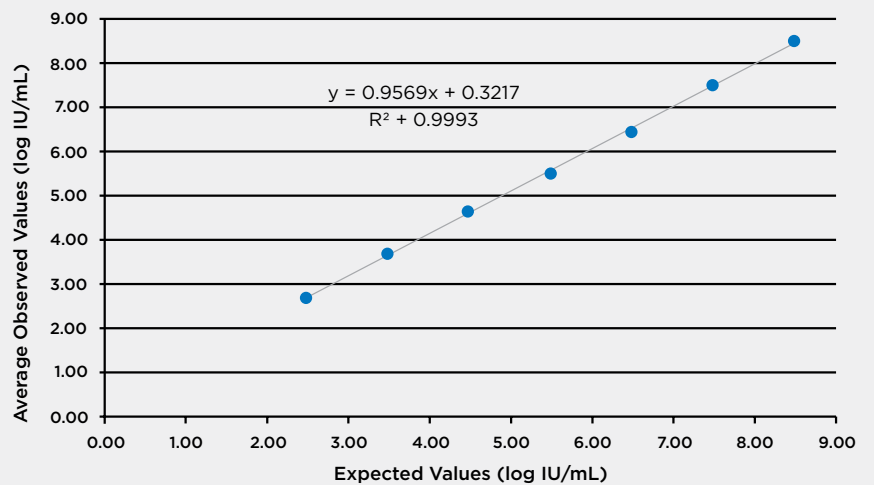
**Figure 6:** This graph demonstrates the evolution of HIV markers in early infection from our AccuVert™ HIV-1 Seroconversion Panel 0600-0272.



## LINEARITY PANELS

AccuSpan™ Linearity Panels consist of serially diluted samples from high-titer recombinant, cultured or naturally occurring whole viruses that span the entire or partial analytical range of an assay for a given analyte. Panel members are calibrated against the latest WHO international standards for informational purposes and to ensure traceability. Linearity Panels can be used in assay verification procedures, operator training, troubleshooting and for bi-annual AMR lab accreditation procedures. The panels are designed to span the dynamic range of quantitative infectious disease assays and evaluate instrumentation analytical sensitivity.

**Figure 7:** Example results of the AccuSpan™ HCV RNA Linearity Panel tested against the Roche COBAS® AmpliPrep/COBAS® TaqMan® HCV Version 2.0 test method.



# DISEASE STATE MATERIALS

SeraCare's portfolio of disease state specimens and high-titer viral isolates supports IVD manufacturers and clinical researchers with tools for assay development, evaluation and implementation. From small specimen aliquots to bulk-processed material and custom prospective collection services, we offer difficult-to-find, reliable materials for development, manufacturing, and validation of IVD products.

## THE BENEFITS OF SERACARE'S DISEASE STATE MATERIALS

- Streamline procurement for a wide range of disease state analytes
- Challenge your assay with characterized positive specimens with well-documented donor demographics
- Catered to your specialized requirements with custom processing options and prospective collection services

## COMPLIANCE IS IN OUR NATURE

Our Disease State Materials team includes members with more than 20 years experience working with global IVD companies, so we understand your submission requirements. We handle every aspect of collections compliance — from drafting and submitting protocols to negotiating with IRBs, if required — saving you time and reducing your regulatory risk.

## COMPREHENSIVE, CUSTOMIZED SOLUTIONS

In addition to inventoried disease state specimens, SeraCare can manage every aspect of your own custom collections program, tailored to your acquisition strategy. We have a 25-year track record of successful collections for a wide range of disease states, around the world. This, together with our materials processing expertise, enables us to deliver materials to meet your specific requirements, when you need them.

## SPECIMENS

Specimen samples are collected from individual donors worldwide. Sample types include raw plasma, serum and other biological matrices. They are extensively characterized on industry-leading IVD platforms and assays to provide detailed reactivity profiles. Positive, negative, and rare specimens are available in a variety of pre-packaged sizes to expedite order processing and shipping.

## ACCUTYPE™ VIRAL ISOLATES

SeraCare's high-titer cultured viral isolates and purified RNA are particularly helpful for HIV assays, where diverse geographical genotypes are difficult to find. We have collections from USA to Zaire and everywhere in between. SeraCare's AccuType™ collection has genotypes spanning both group M and group O; a unique portfolio of rare HIV isolates unlikely to be found anywhere else.

**Table 13: Disease State Material Analyte Directory**

Directory for Specimens	For ordering details see page:
HIV	65 - 69
Hepatitis	65, 67, 69
ToRCH	65, 67, 69
Vector-Borne	65, 69
AutoImmune	69 - 70
HTLV	65, 68, 70
EBV	66, 70
Varicella Zoster	70
Parvovirus	65, 70
Mycoplasma	70
Chlamydia	70
Syphilis/RPR	65, 67, 70
Normal/Healthy or Synthetic Matrices	68
Directory for Viral Isolates and Purified RNA	
HIV	70 - 72
WNV	72
EBV	72
HSV	72

**OUR DISEASE STATE MATERIALS PROVIDE BIOLOGICAL MATERIALS FOR:**

**Infectious Disease Analytes**

SeraCare offers a wide range of analytes for a large number of infectious diseases from Chagas, Dengue and West Nile Virus, to HIV, Hepatitis and Syphilis to name just a few. Our inventory continues to expand to meet the needs of our customers.

**Women's Health**

SeraCare is committed to supporting efforts to develop innovative assays and therapies for women's health, targeting diseases such as CT/NG, HPV, HSV, and more. We can provide a variety of sample types, including urine, Pap specimens, swab specimens, and matched sets tailored to your specific project.

**Autoimmune Disease**

SeraCare offers characterized analytes from a wide range of autoimmune disease conditions — including Rheumatoid Arthritis, Systemic Lupus, Thyroid disorders, and Celiac disease.

**Normal Materials**

Negative disease state specimens are equally as important as positives to ensure platform/assay accuracy and reproducibility. We can also provide a variety of specimen types, such as normal human samples, synthetic cerebrospinal fluid, cord blood, whole blood, normal human plasma (EDTA, 4% sodium citrate) & serum, pooled sputum, urine and more.

# PLASMA AND SERUM DILUENTS AND DERIVATIVES

Count on SeraCare for the biological materials you need to achieve consistent product quality. From human serum and processed plasma to derivatives such as human serum albumin (HSA), human gamma globulin (HGG) and bovine serum albumin (BSA), we offer a diverse range of products to meet your assay development needs.

## EXPEDITE ASSAY DEVELOPMENT

SeraCare ensures a continuous supply of biomaterials. We deliver the quality and consistency you demand, in any quantity, when you need it. All biologic products have documented traceability to simplify compliance requirements and offer lot-to-lot consistency to maintain quality standards for your end products.

## EXPERIENCE AND RELIABILITY

SeraCare offers a long history of innovation in the development of reagents for use as: diluents in the design of test kit controls and calibrators, blocking agents for ELISA methods, cell culture media supplements, and excipient use in research products.

## FLEXIBLE OPTIONS

To support the scale-up and commercialization of your diagnostic assays, SeraCare offers custom processing services. We partner with our customers to develop client-defined product specifications to ensure you receive the materials that you need to effectively manufacture and commercialize your products.



**SeraCare  
serves more  
than 90% of the  
world's top IVD  
manufacturers.**



# PROCESSED HUMAN PLASMA AND SERUM PRODUCTS

## NORMAL HUMAN PLASMA

SeraCon and BaseMatrix are both derived from normal human plasma, well suited for use as a negative diluent for the production of controls and calibrators, and possess the following characteristics.

- HUMAN MATERIAL**

Manufactured from human plasma obtained from FDA-licensed donation centers with full traceability. A cost-effective human serum substitute.

- VIRAL TESTED AND CERTIFIED**

Plasma has been tested per FDA guidelines and certified negative for anti-HIV-1/2, anti-HCV, HBsAg and HIV-1 RNA. Further certification available for anti-HBc, anti-HTLV-I/II, Syphilis, anti-HAV, anti-HBc, HCV RNA and HBV DNA can be provided.

- CUSTOMIZABLE**

SeraCare can satisfy specialized needs with custom materials processing.

- CONSISTENT LOT-TO-LOT PERFORMANCE**

Produced according to cGMPs in ISO 13485-certified facilities.

SeraCon and Basematrix products are both formulated from human plasma and processed to resemble a serum-like state, however the processing differs slightly based on intended use of the material. Refer to **Table 14: Diluent Reference Guide** for details. SeraCon is recommended for use in serological assays. It is also preferred when the intended application requires a matrix that is either free of lipids or hormones.

BaseMatrix is recommended for use in molecular-based assays as a negative diluent for control and calibrator formulations.

## POOLED HUMAN SERUM

Ideal as a negative diluent for assay development and manufacturing, the pool represents thousands of donors and provides a normalized population. Pooled human serum contains no anticoagulants or preservatives.

*Refer to page 73 for ordering details.*

**Table 14: Diluent Reference Guide**

Product	Defibrinated				Dialyzed				Delipidated				Charcoal Stripped				0.2 mm Filtered				Serological EIA				Molecular PCR/NAT				Molecular - NGS			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
SeraCon I	●												●	●																		
SeraCon II	●	●											●	●																		
SeraCon II D	●	●	●										●	●																		
SeraCon II CD	●	●	●	●									●	●	●	●																
Basematrix	●	●											●	●			●	●	●	●												
Matribase													●	●			●	●	●	●												
SeraCon Vitamin D Depleted	●	●							●				●	●																		
Pooled EDTA Plasma													●								●											
Pooled True Human Serum													●	●																		

### DEFINITION OF TERMS

**Defibrinated:** Removal of clotting factors to mimic a serum-like state.

**Dialyzed:** Adjustment to normal physiological serum profile via buffer exchange across membrane (retains large molecule proteins.)

**Delipidated:** Removal of lipid components.

**Charcoal Stripped:** Removal of hormones.

**0.2 mm Filtered:** Final product filtration.



# BLOOD-DERIVED PRODUCTS

SeraCare offers a number of key components for use in assay production, including purified blood-based proteins derived from human and bovine sources. Available offerings include:

- Human Serum Albumin (therapeutic and diagnostic grade available)
- Human Gamma Globulin (HGG)
- Male AB
- Buffy Coat/Leukopacks
- Whole blood
- Bovine serum albumin (BSA)

These purified proteins are suitable for use in controls, calibrators, diluents, and buffer formulations. They are available in a variety of sizes as well as liquid and powder formats. As with our SeraCon and Basematrix products, blood derived products are manufactured from human plasma, tested negative by FDA-approved methods for viral markers and can be customized to meet your specific needs. To help determine which Blood products will meet your needs and where to get more information about the products, please refer to **Table 15**.

**Table 15: Bulk and Customizable Blood Products**

Product	Application	Ordering Details
<b>Normal Human Plasma</b>		
SeraCon Processed Plasma Products	Negative diluent or control	See page 73
Basematrix Processed Plasma Products	Negative diluent or control	See page 73
Pooled True Human Serum	Normalized true serum for use as negative diluent or control	See page 73
<b>Blood Derived Products</b>		
Human: HSA, HGG, Male AB Bovine: BSA	Quality components for drug, vaccine or diagnostics products and cell culture applications	See page 74
Additional Blood Components: Leukopacks, Whole Blood Collections	Capability to provide components based on specific needs	See page 40*

\*Inquire: Products produced as custom orders.

# CUSTOM AND BULK MANUFACTURING

Unlike many other suppliers, SeraCare understands the need for flexibility in order to provide the specialized products you need at the scale that you require, and with a commitment to consistent reliable performance. Our Custom and Bulk Manufacturing services will help you:

- Bring your assays to market more quickly
- Control product development costs
- Improve your design and development efficiency
- Ensure consistent component quality, from commercial launch to end-of-life

## FLEXIBLE AND ADAPTABLE

We know that project and product needs can change over time, and nowhere is this more evident than during the development of a novel diagnostic. That's why SeraCare takes a team-based approach to partnering with our clients to ensure we're designing materials and tools to meet your exact specifications. From R&D to Manufacturing to Regulatory Affairs, our experts will collaborate in tandem with yours to ensure we're delivering product that meets your needs. And when those needs change, we'll be right there to work with you to make the required modifications.

### CUSTOM SERVICES (FOR ALL MANUFACTURED PRODUCTS)

- Custom controls and reference materials
- Custom Proficiency testing panels
- Bulk antibodies, diluents, and supporting reagents
- Disease state material sourcing
- Real-time and stress stability studies
- Use life studies
- Labeling and Packaging design
- Quality Systems support
- Feasibility and Validation studies\*
- Risk Management file preparation\*
- Design History/Technical file preparation\*

*\*When SeraCare designs product for customer*

## SCALE SEAMLESSLY FROM PROOF-OF-CONCEPT TO COMMERCIALIZATION

One of the biggest challenges in IVD development is ensuring small-scale performance is maintained when transferring an assay to manufacturing for large-scale lot production. SeraCare has the facilities and expertise to deliver biological materials and assay components of the same exacting high quality, whether you require milliliters, or thousands of liters.

## TRUSTED SUPPLIER

SeraCare has been providing critical custom reagents to the world's leading diagnostic developers for over 30 years — enabling creation of higher performing, more robust diagnostics. Our unique combination of IVD component manufacturing expertise and deep knowledge of the clinical lab environment explains why SeraCare serves more than 90% of the world's top IVD manufacturers.

## QUALITY AND CONSISTENCY

We understand your need to meet strict quality requirements, every day. At SeraCare, we hold ourselves to the same high standard. Our facilities and quality systems are among the most robust in the industry, meeting the stringent ISO 13485 medical device standard, cGMP, FDA QSR and additional applicable MDSAP requirements. Our commitment to consistent, documented quality helps ensure the continued performance of your diagnostic products, controls, and reference materials—lot to lot, year after year.







#### **ASSAY COMPONENT DEVELOPMENT SERVICES**

Focus your efforts on assay design and validation, leaving the development and production of key components to our experts. Extensive experience across most assay types.

#### **CUSTOM MANUFACTURING AND PACKAGING**

Large lot capacity with custom vialing, product fill and packaging options. Design and scale up support provided.

#### **CUSTOM RECOMBINANT VIRAL CONTROLS**

AccuPlex™ recombinant viral control materials. Non-infectious, high titer, RNA and DNA viral vectors handling large (~4kb) insert sequences.

#### **ANTIBODY SERVICES**

We offer services to develop, produce and affinity purify custom polyclonal antibodies suitable for immunoassays. We also provide antibody and protein conjugation services leveraging a variety of enzymes and tags.

**For more information  
on any of our Custom  
and Bulk Manufacturing  
Services, contact us at  
+1-800-676-1881 or  
[www.seracare.com](http://www.seracare.com)**

#### **SPECIALIZED VERIFICATION KITS**

We develop specialized verification kits to aid adoption of your new assay by your customers on new instrument platforms. Provides a plug and play solution to your customers.

#### **PROFICIENCY PANEL DESIGN**

We design and formulate custom proficiency panels providing expert advice for suitable target level definitions, randomization schemes for participants and cost optimization strategies.

#### **PROSPECTIVE COLLECTIONS**

Custom sample collection managed through our worldwide network of collection facilities. Infectious and non-infectious donor specimens collected to your unique specifications with options for collection under certified IRB protocols.





## ACCURUN Multi-Marker Positive Serology Controls

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2000-0001	ACCURUN 1 Series 2400	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, Anti-HTLV-I, Anti-HTLV-II, HBsAg	12 x 3.5 mL	IVD, CE, HC*
2000-0002	ACCURUN 1 Series 2500			
2000-0008	ACCURUN 1 Series 4000	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, Anti-HTLV-I, Anti-HTLV-II, HBsAg, Anti-CMV	3 x 5.0 mL	IVD, CE, HC
2000-0010	ACCURUN 1 Series 4400		12 x 3.5 mL	
2000-0018	ACCURUN 1 Series 5600		6 x 3.5 mL	
2000-0023	ACCURUN 2 Series 2700	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, Anti-HTLV-I, Anti-HTLV-II, HBsAg, Anti-Treponema pallidum	6 x 3.5 mL	CE, HC
2000-0024	ACCURUN 2 Series 2700	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, Anti-HTLV-I, Anti-HTLV-II, HBsAg, Anti-Treponema pallidum	3 X 1.0 mL	CE
2000-0027	ACCURUN 21 Series 1000	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, HBsAg, Anti-HAV	6 x 3.5 mL	RUO
2000-0028	ACCURUN 21 Series 1000	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, HBsAg, Anti-HAV	6 x 3.5 mL	CE, HC
2000-0030	ACCURUN 21 Series 2000	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, HBsAg, Anti-HAV	6 x 3.5 mL	RUO
2000-0031	ACCURUN 21 Series 2000	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, HBsAg, Anti-HAV	6 x 3.5 mL	CE, HC
2000-0032	ACCURUN 24 Confirmatory Control	Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HTLV-I, Anti-HTLV-II	3 x 1.0 mL	IVD, HC
2000-0034	ACCURUN 25 ToRCH IgG	Anti-Toxoplasma IgG, Anti-Rubella IgG, Anti-CMV IgG, Anti-HSV IgG	3 x 1.0 mL	IVD, CE, HC
2000-0035	ACCURUN 26 ToRC IgM	Anti-Toxoplasma IgM, Anti-Rubella IgM, Anti-CMV IgM	3 x 1.0 mL	IVD, CE, HC
2000-0037	ACCURUN 30	EBV VCA IgG, EBNA IgG	3 x 1.0 mL	IVD, CE, HC
2000-0039	ACCURUN 40 Series 5000	Anti-Measles, Anti-Mumps, Anti-Rubella, Anti-VZV	3 x 1.0 mL	IVD, CE, HC
2000-0040	ACCURUN 51	HBeAg, HBc IgM, HAV IgM	1 x 5.0 mL	IVD, CE, HC
2000-0041			6 x 3.5 mL	
2000-0043	ACCURUN 52	Anti-HBe, Anti-HBs, Anti-HAV	6 x 3.5 mL	IVD, CE, HC

## ACCURUN Single-Marker Positive Serology Controls

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2000-0038	ACCURUN 31	EBV VCA IgM	3 x 1.0 mL	IVD, CE, HC
2015-0065	ACCURUN 106, Series 1000	HIV-1 Ag	3 x 5.0 mL	IVD, CE, HC
2015-0066			12 x 3.5 mL	
2015-0068	ACCURUN 113	HBc IgM	1 x 5.0 mL	IVD, CE, HC
2015-0070	ACCURUN 115	HBc IgG	1 x 5.0 mL	IVD, CE, HC
2015-0071	ACCURUN 117	HBeAg	1 x 5.0 mL	IVD, CE
2015-0072	ACCURUN 119	Anti-HBe	1 x 5.0 mL	IVD, CE
2015-0073	ACCURUN 120	HAV IgG	1 x 5.0 mL	IVD, CE, HC
2015-0074	ACCURUN 121	HAV IgM	1 x 5.0 mL	IVD, CE, HC
2015-0076			6 x 3.5 mL	
2015-0077	ACCURUN 125	Anti-HBs	1 x 5.0 mL	IVD, CE, HC
2015-0078			6 x 3.5 mL	
2015-0079	ACCURUN 127	Anti-Hepatitis Delta	1 x 1.0 mL	IVD, CE

\*HC -Health Canada

**ACCURUN Single-Marker Positive Serology Controls (continued)**

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2015-0080	ACCURUN 130	Lyme IgG	1 x 1.0 mL	IVD, CE, HC
2015-0081	ACCURUN 132	Lyme IgM	1 x 1.0 mL	IVD, CE, HC
2015-0082	ACCURUN 135	Anti-Toxoplasma IgG	1 x 1.0 mL	IVD, CE, HC
2015-0083	ACCURUN 136	Anti-Toxoplasma IgM	1 x 1.0 mL	IVD, CE, HC
2015-0084	ACCURUN 140	Rubella IgG	1 x 5.0 mL	IVD, CE, HC
2015-0086	ACCURUN 141	Rubella IgM	1 x 1.0 mL	IVD, CE, HC
2015-0087	ACCURUN 145	CMV IgG	1 x 1.0 mL	IVD, CE, HC
2015-0088	ACCURUN 146	CMV IgM	1 x 1.0 mL	IVD, CE, HC
2015-0090	ACCURUN 155 Series 2000	Syphilis (Treponema pallidum) IgG	3 x 2.0 mL	IVD, CE, HC
2015-0092	ACCURUN 155 Series 5000	Syphilis (Treponema pallidum) IgG	12 x 3.5 mL	IVD, CE, HC
2015-0093			3 x 2.0 mL	
2015-0094	ACCURUN 156	Syphilis (RPR)	3 x 1.0 mL	IVD, CE, HC
2015-0097	ACCURUN 190	Anti-Trypanosoma cruzi (Chagas)	6 x 3.5 mL	IVD, CE

**ACCURUN Negative Serology Controls**

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2010-0013	ACCURUN 1	Negative for Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, Anti-HTLV-I, Anti-HTLV-II, HBsAg, Anti-CMV, HIV-1 Ag, Anti-Treponema pallidum	1 x 5.0 mL	IVD, CE, HC
2010-0015			12 x 3.5 mL	
2010-0018	ACCURUN 800 ToRCH	Negative for Anti-Toxoplasma, Anti-Rubella, Anti-CMV, Anti-HCV, Anti-HIV-1, Anti-HIV-2, Anti-HSV, Anti-HTLV, and HBsAg	1 x 1.0 mL	IVD, CE, HC
2010-0020	ACCURUN 810	Negative for Anti-HIV-1, Anti-HIV-2, Anti-HCV, Anti-HBc, Anti-HTLV-I, Anti-HTLV-II, Anti-CMV, Anti-HBe, Anti-HBs, Anti-HAV, HAV IgM, HBc IgM, HBeAg, HBsAg, Anti-Treponema pallidum, Syphilis RPR, Lyme IgG, Lyme IgM	6 x 3.5 mL	IVD, CE, HC

**ACCURUN Positive Molecular Controls**

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2020-0078	ACCURUN 305 Series 150	HCV RNA	10 x 1.2 mL	IVD, CE, HC
2020-0080	ACCURUN 305 Series 100	HCV RNA	5 x 1.0 mL	IVD, CE, HC
2020-0083	ACCURUN 305 Series 300	HCV RNA	5 x 1.0 mL	IVD, CE, HC
2020-0085	ACCURUN 305 Series 400	HCV RNA	5 x 4.0 mL	IVD, CE, HC
2020-0086	ACCURUN 306 Series 500	HCV RNA	10 x 0.5 mL	RUO
2020-0087	ACCURUN 315 Series 150	HIV-1 RNA	10 x 1.2 mL	IVD, CE, HC
2020-0090	ACCURUN 315 Series 200	HIV-1 RNA	5 x 1.0 mL	IVD, CE, HC
2020-0092	ACCURUN 315 Series 400	HIV-1 RNA	5 x 1.0 mL	IVD, CE, HC
2020-0093	ACCURUN 315 Series 500	HIV-1 RNA	5 x 1.0 mL	IVD, CE, HC
2020-0096	ACCURUN 325 Series 200	HBV DNA	5 x 4.0 mL	IVD, CE
2020-0098	ACCURUN 325 Series 700	HBV DNA	5 x 4.0 mL	IVD, CE

**ACCURUN Positive Molecular Controls (continued)**

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2025-0068	ACCURUN 342 Series 700	Ct/Ng Nucleic Acid	10 x 1.0 mL	IVD, CE
2020-0104	ACCURUN 345 Series 150	HBV DNA, HCV RNA, HIV-1 RNA	5 x 1.0 mL	IVD, CE, HC
2020-0105			5 x 4.0 mL	
2025-0037	ACCURUN 372 Series 400	HPV Type 16 DNA	10 x 0.8 mL cell suspension 10 x 2.0 mL diluent	IVD, CE
2025-0041	ACCURUN 372 Series 600	HPV Type 16 DNA	10 x 1.0 mL cell suspension 10 x 1.0 mL diluent	IVD, CE
2025-0043	ACCURUN 378 Series 5000	HPV Type 16 DNA	20 x 4.0 mL	IVD, CE, HC
2025-0060	ACCURUN 381	HPV Type 16 and 18 mRNA	20 x 1.0 mL	IVD, CE
2050-0008	ACCURUN 501	C. diff - 4 unique strains	4 x 0.6 mL	IVD, CE

**ACCURUN Negative Molecular Controls**

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2035-0007	ACCURUN 803	Negative for HBV DNA, HCV RNA, HIV-1 RNA	10 x 1.2 mL	IVD, CE, HC
2025-0061	ACCURUN 841	Negative for Ct/Ng	10 x 1.0 mL	IVD, CE
2035-0009	ACCURUN 872	Negative for Type 16 and 18 HPV DNA	10 x 1.0 mL cell suspension 10 x 1.0 mL diluent	IVD, CE
2035-0005	ACCURUN 873	Negative for Type 16 and 18 HPV DNA	20 x 4.0 mL	IVD, CE, HC

**ACCURUN Reference Materials**

Material #	Product Name	Markers	# Vials x Fill Size	Compliance
2040-0015	ACCURUN 644	Cystic Fibrosis (47 mutations)	1 x 100 µL	RUO
2040-0009	ACCURUN 676	Cystic Fibrosis (34 mutations)	1 x 100 µL	RUO
0505-0001	AccuPlex Ebola	Ebola (GP/NP regions)	5 x 0.25 mL	RUO
0505-0034	AccuPlex Zika	Zika (full genome)	1 x 1.5 mL	RUO



## Secondary Antibodies and Conjugates

Material #	Product Description	Packaging
5210-0213	Anti-APC Antibody	1 Vial x 1.0 mg
5220-0301	Anti-APC, HRP-labeled Antibody	1 Vial x 0.1 mg
5220-0325	Anti-APC, ReserveAP-labeled Antibody	1 Vial x 0.1 mg
5210-0168	Anti-Bovine IgM (Q) Antibody	1 Vial x 1.0 mg
5210-0169	Anti-Bovine IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0280	Anti-Bovine IgM (mu) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0305	Anti-Bovine IgM (mu) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0361	Anti-Bovine IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0292	Anti-Bovine IgM (mu) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0293	Anti-Bovine IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0196	Anti-Cat IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0197	Anti-Cat IgM (mu) Antibody	1 Vial x 1.0 mg
5210-0198	Anti-Cat IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0315	Anti-Cat IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0291	Anti-Cat IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0292	Anti-Cat IgM (mu) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0369	Anti-Cat IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0379	Anti-Cat IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5230-0315	Anti-Cat IgG (gamma) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0316	Anti-Cat IgM (mu) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0317	Anti-Cat IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0205	Anti-Chicken IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0373	Anti-Chicken IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0325	Anti-Chicken IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0367	Anti-Chicken IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0379	Anti-Chicken IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0394	Anti-Chicken IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5210-0209	Anti-Deer IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0298	Anti-Deer IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5230-0329	Anti-Deer IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0193	Anti-Dog IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0194	Anti-Dog IgM (mu) Antibody	1 Vial x 1.0 mg
5210-0195	Anti-Dog IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0289	Anti-Dog IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0290	Anti-Dog IgM (mu) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0314	Anti-Dog IgM (mu) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0368	Anti-Dog IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0312	Anti-Dog IgG (gamma) Antibody, FITC labeled	1 Vial x 0.5 mg

## Secondary Antibodies and Conjugates (continued)

Material #	Product Description	Packaging
5230-0313	Anti-Dog IgM (mu) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0314	Anti-Dog IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0206	Anti-Duck IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0296	Anti-Duck IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5230-0326	Anti-Duck IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0211	Anti-FITC Antibody	1 Vial x 1.0 mg
5220-0299	Anti-FITC, HRP-labeled Antibody	1 Vial x 0.1 mg
5220-0323	Anti-FITC, ReserveAP-labeled Antibody	1 Vial x 0.1 mg
5210-0170	Anti-Goat IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0362	Anti-Goat IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0294	Anti-Goat IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0358	Anti-Goat IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0371	Anti-Goat IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0383	Anti-Goat IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5210-0181	Anti-Guinea Pig IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0366	Anti-Guinea Pig IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0378	Anti-Guinea Pig IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5230-0303	Anti-Guinea Pig IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0388	Anti-Guinea Pig IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5210-0202	Anti-Hamster IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0371	Anti-Hamster IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0293	Anti-Horse IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5210-0199	Anti-Horse IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0200	Anti-Horse IgM (mu) Antibody	1 Vial x 1.0 mg
5210-0201	Anti-Horse IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0317	Anti-Horse IgM (mu) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0294	Anti-Horse IgM (mu) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0316	Anti-Horse IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0370	Anti-Horse IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0380	Anti-Horse IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5230-0318	Anti-Horse IgG (gamma) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0320	Anti-Horse IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0357	Anti-Human IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0357	Anti-Human IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5210-0154	Anti-Human IgA (alpha) Antibody	1 Vial x 1.0 mg
5210-0155	Anti-Human IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0157	Anti-Human IgM (mu) Antibody	1 Vial x 1.0 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5210-0158	Anti-Human IgE (epsilon) Antibody	1 Vial x 1.0 mg
5210-0159	Anti-Human IgG (H+L) Antibody	1 Vial x 1.0 mg
5210-0160	Anti-Human IgA+IgG+IgM (H+L) Antibody	1 Vial x 1.0 mg
5210-0164	Anti-Human IgA+IgG+IgM (H+L) Antibody, Mouse Serum Adsorbed	1 Vial x 1.0 mg
5210-0165	Anti-Human IgG (Fc) Antibody	1 Vial x 1.0 mg
5230-0438	Anti-Human IgG (H+L) Antibody, F(ab') <sub>2</sub> Fragment, DyLight 633-Labeled	1 Vial x 1.0 mg
5230-0356	Anti-Human IgM (mu), Cy3 labeled	1 Vial x 1.0 mg
5230-0356	Anti-Human IgM (mu), Cy3 labeled	1 Vial x 1.0 mg
5210-0297	Anti-Human IgG (gamma) Antibody, F(ab') <sub>2</sub> Fragment	1 Vial x 1.0 mg
5210-0298	Anti-Human IgM (mu) Antibody, F(ab') <sub>2</sub> fragment	1 Vial x 1.0 mg
5210-0299	Anti-Human IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment	1 Vial x 1.0 mg
5220-0277	Anti-Human IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0278	Anti-Human IgA+IgG+IgM (H+L) Antibody, Mouse Serum Adsorbed and Peroxidase labeled	1 Vial x 0.1 mg
5220-0279	Anti-Human IgG (FC) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0303	Anti-Human IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0304	Anti-Human IgG (Fc) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0327	Anti-Human IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0328	Anti-Human IgM (mu) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0329	Anti-Human IgE (epsilon) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0330	Anti-Human IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0331	Anti-Human IgA, IgG, and IgM (H+L) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0360	Anti-Human IgA (alpha) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0390	Anti-Human IgG (gamma) Antibody, F(ab') <sub>2</sub> fragment, Peroxidase labeled	1 Vial x 0.5 mg
5220-0391	Anti-Human IgM (mu) Antibody, F(ab') <sub>2</sub> fragment, Peroxidase labeled	1 Vial x 0.5 mg
5220-0392	Anti-Human IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Peroxidase labeled	1 Vial x 0.5 mg
5220-0396	Anti-Human IgM (mu) Antibody, F(ab') <sub>2</sub> fragment, Phosphatase labeled	1 Vial x 0.5 mg
5220-0456	Anti-Human IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 1.0 mL
5220-0457	Anti-Human IgM (mu) Antibody, Peroxidase labeled	1 Vial x 1.0 mL
5230-0284	Anti-Human IgA (alpha) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0285	Anti-Human IgG (gamma) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0286	Anti-Human IgM (mu) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0287	Anti-Human IgE (epsilon) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0288	Anti-Human IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0289	Anti-Human IgA+IgG+IgM (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0290	Anti-Human IgA+IgG+IgM (H+L) Antibody, Mouse Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0291	Anti-Human IgG (FC) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0338	Anti-Human IgG (H+L), DyLight 488 labeled	1 Vial x 0.1 mg



**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5230-0342	Anti-Human IgG (H+L), DyLight 680 labeled	1 Vial x 0.1 mg
5230-0345	Anti-Human IgG (H+L), DyLight 800 labeled	1 Vial x 0.1 mg
5230-0355	Anti-Human IgG (gamma), Cy3 labeled	1 Vial x 1.0 mg
5230-0368	Anti-Human IgG (gamma), Cy5 labeled	1 Vial x 1.0 mg
5230-0369	Anti-Human IgM (mu), Cy5 labeled	1 Vial x 1.0 mg
5230-0370	Anti-Human IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0380	Anti-Human IgG (gamma), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0381	Anti-Human IgM (mu), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0382	Anti-Human IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5210-0217	Anti-Monkey IgM (mu) Antibody	1 Vial x 1.0 mL
5220-0334	Anti-Monkey IgM (mu) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5210-0215	Anti-Monkey IgA (alpha) Antibody	1 Vial x 1.0 mL
5210-0216	Anti-Monkey IgG (gamma) Antibody	1 Vial x 1.0 mL
5220-0332	Anti-Monkey IgA (alpha) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5210-0182	Anti-Mouse IgA (alpha) Antibody	1 Vial x 1.0 mg
5210-0183	Anti-Mouse IgG (gamma) Antibody (Human Serum Adsorbed)	1 Vial x 1.0 mg
5210-0185	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed	1 Vial x 1.0 mg
5210-0187	Anti-Mouse IgA+IgG+IgM (H+L) Antibody, Human Serum Adsorbed	1 Vial x 1.0 mg
5210-0188	Anti-Mouse IgG+IgM (H+L) Antibody, Human Serum Adsorbed	1 Vial x 1.0 mg
5210-0191	Anti-Mouse IgG (H+L) Antibody, Human and Rat Serum Adsorbed	1 Vial x 1.0 mg
5210-0192	Anti-Mouse IgG (H+L) Antibody, Rabbit and Human Serum Adsorbed	1 Vial x 1.0 mg
5210-0184	Anti-Mouse IgM (mu) Antibody, Human Serum Adsorbed	1 Vial x 1.0 mg
5210-0302	Anti-Mouse IgG (gamma) antibody, F(ab') <sub>2</sub> Fragment, Human Serum Adsorbed,	1 Vial x 1.0 mg
5210-0303	Anti-Mouse IgG (H+L) antibody, F(ab') <sub>2</sub> Fragment, Human Serum Adsorbed,	1 Vial x 1.0 mg
5220-0286	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.1 mg
5220-0287	Anti-Mouse IgG (H+L) Antibody, Rat and Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.1 mg
5220-0288	Anti-Mouse IgG (H+L) Antibody, Rabbit and Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.1 mg
5230-0389	Anti-Mouse IgG (gamma), Human Serum Adsorbed, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0390	Anti-Mouse IgM (mu) and Human Serum Adsorbed, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0391	Anti-Mouse IgG (H+L) HSA, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0392	Anti-Mouse IgG+IgM (H+L) Antibody, Human Serum Adsorbed and DyLight 488 labeled	1 Vial x 1.0 mg
5230-0393	Anti-Mouse IgG (H+L) RbSA, HSA, DyLight 488 labeled	1 Vial x 1.0 mg
5220-0333	Anti-Monkey IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0398	Anti-Mouse IgG (gamma) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 0.5 mg
5220-0338	Anti-Mouse IgG (H+L), Extra Serum Adsorbed, Peroxidase-labeled	1 Vial x 1.0 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5220-0339	Anti-Mouse IgG (gamma) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mg
5220-0340	Anti-Mouse IgM (mu) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mg
5220-0341	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and Peroxidase Labeled	1 Vial x 1.0 mg
5220-0342	Anti-Mouse IgA+IgG+IgM (H+L) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mg
5220-0343	Anti-Mouse IgG+IgM (H+L) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mg
5220-0310	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 0.1 mg
5220-0311	Anti-Mouse IgG (H+L) Antibody, Rat and Human Serum Adsorbed and Phosphatase labeled	1 Vial x 0.1 mg
5220-0312	Anti-Mouse IgG (H+L) Antibody, Rabbit and Human Serum Adsorbed and Phosphatase labeled	1 Vial x 0.1 mg
5220-0367	Anti-Mouse IgA (alpha) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.5 mg
5220-0394	Anti-Mouse IgG (gamma) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.5 mg
5220-0395	Anti-Mouse IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.5 mg
5220-0399	Anti-Mouse IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 0.5 mg
5220-0460	Anti-Mouse IgG (gamma) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mL
5230-0305	Anti-Mouse IgG (gamma) Antibody, Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0306	Anti-Mouse IgM (mu) Antibody, Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0307	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0308	Anti-Mouse IgA+IgG+IgM (H+L) Antibody, Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0309	Anti-Mouse IgG+IgM (H+L) Antibody, Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0310	Anti-Mouse IgG (H+L) Antibody, Rat+Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0311	Anti-Mouse IgG (H+L) antibody, Rabbit+Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0336	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and TRITC labeled	1 Vial x 0.5 mg
5230-0344	Anti-Mouse IgG (H+L) HSA, DyLight 680 labeled	1 Vial x 0.1 mg
5230-0347	Anti-Mouse IgG (H+L), HSA, DyLight 800 labeled	1 Vial x 0.1 mg
5230-0349	Anti-Mouse IgG (H+L) HSA DyLight 405-labeled	1 Vial x 0.1 mg
5230-0350	Anti-Mouse IgG (H+L) HSA DyLight 594-labeled	1 Vial x 0.1 mg
5230-0362	Anti-Mouse IgG (gamma), Human Serum Adsorbed, Cy3 labeled	1 Vial x 1.0 mg
5230-0363	Anti-Mouse IgM (mu), Human Serum Adsorbed, Cy3 labeled	1 Vial x 1.0 mg
5230-0364	Anti-Mouse IgG (H+L) HSA, Cy3 labeled	1 Vial x 1.0 mg
5230-0366	Anti-Mouse IgG (H+L) RbSA, HSA, Cy3 labeled	1 Vial x 1.0 mg
5230-0374	Anti-Mouse IgG (gamma), Human Serum Adsorbed, Cy5 labeled	1 Vial x 1.0 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5230-0375	Anti-Mouse IgM (mu), Human Serum Adsorbed, Cy5 labeled	1 Vial x 1.0 mg
5230-0376	Anti-Mouse IgG (H+L) HSA, Cy5 labeled	1 Vial x 1.0 mg
5230-0377	Anti-Mouse IgG (H+L) RbSA, HSA, Cy5 labeled	1 Vial x 1.0 mg
5230-0445	Anti-Mouse IgG (gamma) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and FITC labeled	1 Vial x 1.0 mg
5210-0212	Anti-PE Antibody	1 Vial x 1.0 mg
5220-0300	Anti-PE, HRP-labeled Antibody	1 Vial x 0.1 mg
5220-0324	Anti-PE, ReserveAP-labeled Antibody	1 Vial x 0.1 mg
5220-0302	Anti-PerCP, HRP-labeled Antibody	1 Vial x 0.1 mg
5210-0214	Anti-PerCP, HRP-labeled Antibody	1 Vial x 1.0 mg
5220-0326	Anti-PerCP, ReserveAP-labeled Antibody	1 Vial x 0.1 mg
5210-0210	Anti-APC Antibody	1 Vial x 0.1 mg
5220-0301	Anti-APC, HRP-labeled Antibody	1 Vial x 0.1 mg
5220-0325	Anti-APC, ReserveAP-labeled Antibody	1 Vial x 0.1 mg
5210-0211	Anti-FITC Antibody	1 Vial x 0.1 mg
5220-0299	Anti-FITC, HRP-labeled Antibody	1 Vial x 0.1 mg
5220-0323	Anti-FITC, Reserve-labeled Antibody	1 Vial x 0.1 mg
5210-0210	Anti-Peromyscus leucopus (White-footed Mouse) IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0375	Anti-Peromyscus leucopus (white-footed mouse) IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0382	Anti-Peromyscus leucopus (white-footed Mouse) IgG (H+L) Antibody, Phosphatase-Labeled	1 Vial x 0.5 mg
5210-0174	Anti-Rabbit IgG (H+L) Antibody	1 Vial x 1.0 mg
5210-0176	Anti-Rabbit IgG (H+L) Antibody, Human Serum Adsorbed	1 Vial x 1.0 mg
5230-0413	Anti-Rabbit IgG (H+L), DyLight 800 labeled	1 Vial x 1.0 mg
5230-0436	Anti-Rabbit IgG (H+L) Antibody, F(ab') <sub>2</sub> Fragment, Human Serum Adsorbed, DyLight 594-Labeled	1 Vial x 1.0 mg
5210-0300	Anti-Rabbit IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed	1 Vial x 1.0 mg
5220-0283	Anti-Rabbit IgG (H+L), DyLight 549 labeled	1 Vial x 0.1 mg
5220-0308	Anti-Rabbit IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0335	Anti-Rabbit IgG (H+L), Extra Serum Adsorbed, Peroxidase-labeled	1 Vial x 1.0 mg
5220-0336	Anti-Rabbit IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 1.0 mg
5220-0337	Anti-Rabbit IgG (H+L) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mg
5220-0393	Anti-Rabbit IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 0.5 mg
5220-0458	Anti-Rabbit IgG (H+L) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mL
5230-0298	Anti-Rabbit IgG (H+L) Antibody, FITC-labeled	1 Vial x 0.5 mg
5230-0299	Anti-Rabbit IgG (H+L) Antibody, Human Serum Adsorbed and FITC labeled	1 Vial x 0.5 mg
5230-0332	Anti-Rabbit IgG (H+L) Antibody, TRITC labeled	1 Vial x 0.5 mg
5230-0339	Anti-Rabbit IgG (H+L), DyLight 488 labeled	1 Vial x 0.1 mg
5230-0343	Anti-Rabbit IgG (H+L), DyLight 680 labeled	1 Vial x 0.1 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5230-0348	Anti-Rabbit IgG (H+L) Antibody DyLight 405 labeled	1 Vial x 0.1 mg
5230-0359	Anti-Rabbit IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0360	Anti-Rabbit IgG (H+L), Human Serum Adsorbed, Cy3 labeled	1 Vial x 1.0 mg
5230-0372	Anti-Rabbit IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0373	Anti-Rabbit IgG (H+L), Human Serum Adsorbed, Cy5 labeled	1 Vial x 1.0 mg
5230-0385	Anti-Rabbit IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0386	Anti-Rabbit IgG (H+L), Human Serum Adsorbed and DyLight 488 labeled	1 Vial x 1.0 mg
5230-0333	Anti-Rat IgG (H+L) Antibody, TRITC labeled	1 Vial x 0.5 mg
5230-0353	Anti-Rat IgG (H+L) Antibody, Extra Serum Adsorbed and RPE labeled	1 Vial x 1.0 mL
5230-0414	Anti-Rat IgG (H+L), DyLight 800 labeled	1 Vial x 1.0 mg
5210-0180	Anti-Rat IgG(H+L) Antibody, Mouse Serum Adsorbed	1 Vial x 1.0 mg
5210-0177	Anti-Rat IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0178	Anti-Rat IgM (mu) Antibody	1 Vial x 1.0 mg
5210-0179	Anti-Rat IgG(H+L) Antibody	1 Vial x 1.0 mg
5220-0284	Anti-Rat IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0285	Anti-Rat IgM (mu) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0309	Anti-Rat IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0364	Anti-Rat IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5220-0365	Anti-Rat IgG (H+L) Antibody, Mouse Serum Adsorbed and Peroxidase labeled	1 Vial x 0.5 mg
5220-0377	Anti-Rat IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0459	Anti-Rat IgG (H+L) Antibody, Mouse Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mL
5230-0301	Anti-Rat IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0340	Anti-Rat IgG (H+L), DyLight 488 labeled	1 Vial x 0.1 mg
5230-0361	Anti-Rat IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0387	Anti-Rat IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5210-0203	Anti-Sheep IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0204	Anti-Sheep IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0295	Anti-Sheep IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0318	Anti-Sheep IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0372	Anti-Sheep IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0322	Anti-Sheep IgG (gamma) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0324	Anti-Sheep IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0378	Anti-Sheep IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5210-0171	Anti-Swine IgG (gamma) Antibody	1 Vial x 1.0 mg
5210-0172	Anti-Swine IgM (mu) Antibody	1 Vial x 1.0 mg
5210-0173	Anti-Swine IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0281	Anti-Swine IgG (gamma) Antibody, Peroxidase labeled	1 Vial x 0.1 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5220-0282	Anti-Swine IgM (mu chain) Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5220-0306	Anti-Swine IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0307	Anti-Swine IgM (mu) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0363	Anti-Swine IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0295	Anti-Swine IgG (gamma) Antibody, FITC labeled	1 Vial x 0.5 mg
5230-0296	Anti-Swine IgM (mu) antibody, FITC labeled	1 Vial x 0.5 mg
5230-0297	Anti-Swine IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0207	Anti-Turkey IgG (H+L) Antibody	1 Vial x 1.0 mg
5220-0374	Anti-Turkey IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 0.5 mg
5230-0327	Anti-Turkey IgG (H+L) Antibody, FITC labeled	1 Vial x 0.5 mg
5210-0301	Goat anti-Rat IgG (H+L), F(ab') <sub>2</sub> Fragment, Mouse Serum Adsorbed	1 Vial x 1.0 mg
5220-0383	ReserveAP Anti-Bovine IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0322	ReserveAP Anti-Dog IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 0.1 mg
5220-0387	ReserveAP Anti-Dog IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0347	Reserve AP Anti-Human IgA (alpha) Antibody, Phosphatase labeled	1 Vial x 1.0 mg
5220-0348	ReserveAP Anti-Human IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 1.0 mg
5220-0349	ReserveAP Anti-Human IgM (mu) Antibody, Phosphatase labeled	1 Vial x 1.0 mg
5220-0350	ReserveAP Anti-Human IgE (epsilon) Antibody, Phosphatase labeled	1 Vial x 1.0 mg
5220-0351	ReserveAP Anti-Human IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 1.0 mg
5220-0352	ReserveAP Anti-Human IgA+IgG+IgM (H+L) Antibody, Phosphatase labeled	1 Vial x 1.0 mg
5220-0400	ReserveAP Anti-Human IgG (gamma) Antibody, F(ab') <sub>2</sub> Fragment, Phosphatase labeled	1 Vial x 0.5 mg
5220-0357	ReserveAP Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mg
5220-0358	ReserveAP Anti-Mouse IgA+IgM+IgG (H+L) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mg
5220-0386	ReserveAP Anti-Mouse IgA (alpha) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 0.5 mg
5220-0353	ReserveAP Anti-Rabbit IgG (H+L), Phosphatase-labeled	1 Vial x 1.0 mg
5220-0354	ReserveAP Anti-Rabbit IgG (H+L) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mg
5220-0355	ReserveAP Goat Anti-Mouse IgG (gamma) Antibody, Human Serum Absorbed and Phosphatase labeled	1 Vial x 1.0 mg
5220-0356	ReserveAP Goat Anti-Mouse IgM (mu) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mg
5220-0359	ReserveAP Goat Anti-Mouse IgG+IgM (H+L), Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mg
5220-0385	ReserveAP Goat Anti-Swine IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0389	ReserveAP Goat-Anti-Chicken IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0384	ReserveAP Rabbit Anti-Goat IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0388	ReserveAP Rabbit-Anti-Sheep IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 0.5 mg
5220-0462	ReserveAP Anti-Human IgG (gamma) Antibody, Phosphatase labeled	1 Vial x 1.0 mL

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5220-0463	ReserveAP Anti-Human IgM (mu) Antibody, Phosphatase labeled	1 Vial x 1.0 mL
5220-0464	ReserveAP Anti-Human IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 1.0 mL
5220-0465	ReserveAP Anti-Rabbit IgG (H+L) Antibody, Phosphatase labeled	1 Vial x 1.0 mL
5220-0466	ReserveAP Goat Anti-Rabbit IgG (H+L) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mL
5220-0467	ReserveAP Anti-Mouse IgG (gamma) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mL
5220-0468	ReserveAP Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and Phosphatase labeled	1 Vial x 1.0 mL
5230-0339	Anti-Rabbit IgG (H+L), DyLight 488 labeled	1 Vial x 0.1 mg
5230-0340	Anti-Rat IgG (H+L), DyLight 488 labeled	1 Vial x 0.1 mg
5230-0341	Anti-Mouse IgG (H+L) HSA, DyLight 488 labeled	1 Vial x 0.1 mg
5230-0342	Anti-Human IgG (H+L), DyLight 680 labeled	1 Vial x 0.1 mg
5230-0343	Anti-Rabbit IgG (H+L), DyLight 680 labeled	1 Vial x 0.1 mg
5230-0344	Anti-Mouse IgG (H+L) HSA, DyLight 680 labeled	1 Vial x 0.1 mg
5230-0345	Anti-Human IgG (H+L), DyLight 800 labeled	1 Vial x 0.1 mg
5230-0347	Anti-Mouse IgG (H+L), HSA, DyLight 800 labeled	1 Vial x 0.1 mg
5230-0348	Anti-rabbit IgG (H+L) Antibody DyLight 405 labeled	1 Vial x 0.1 mg
5230-0349	Anti-Mouse IgG (H+L) HSA DyLight 405-labeled	1 Vial x 0.1 mg
5230-0350	Anti-Mouse IgG (H+L) HSA DyLight 594-labeled	1 Vial x 0.1 mg
5230-0355	Anti-Human IgG (gamma), Cy3 labeled	1 Vial x 1.0 mg
5230-0358	Anti-Goat IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0359	Anti-Rabbit IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0360	Anti-Rabbit IgG (H+L), Human Serum Adsorbed, Cy3 labeled	1 Vial x 1.0 mg
5230-0361	Anti-Rat IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0362	Anti-Mouse IgG (gamma), Human Serum Adsorbed, Cy3 labeled	1 Vial x 1.0 mg
5230-0363	Anti-Mouse IgM (mu), Human Serum Adsorbed, Cy3 labeled	1 Vial x 1.0 mg
5230-0364	Anti-Mouse IgG (H+L) HSA, Cy3 labeled	1 Vial x 1.0 mg
5230-0366	Anti-Mouse IgG (H+L) RbSA, HSA, Cy3 labeled	1 Vial x 1.0 mg
5230-0367	Anti-Chicken IgG (H+L), Cy3 labeled	1 Vial x 1.0 mg
5230-0368	Anti-Human IgG (gamma), Cy5 labeled	1 Vial x 1.0 mg
5230-0369	Anti-Human IgM (mu), Cy5 labeled	1 Vial x 1.0 mg
5230-0370	Anti-Human IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0371	Anti-Goat IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0372	Anti-Rabbit IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0373	Anti-Rabbit IgG (H+L), Human Serum Adsorbed, Cy5 labeled	1 Vial x 1.0 mg
5230-0374	Anti-Mouse IgG (gamma), Human Serum Adsorbed, Cy5 labeled	1 Vial x 1.0 mg
5230-0375	Anti-Mouse IgM (mu), Human Serum Adsorbed, Cy5 labeled	1 Vial x 1.0 mg
5230-0376	Anti-Mouse IgG (H+L) HSA, Cy5 labeled	1 Vial x 1.0 mg
5230-0377	Anti-Mouse IgG (H+L) RbSA, HSA, Cy5 labeled	1 Vial x 1.0 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5230-0378	Anti-Sheep IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0379	Anti-Chicken IgG (H+L), Cy5 labeled	1 Vial x 1.0 mg
5230-0380	Anti-Human IgG (gamma), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0381	Anti-Human IgM (mu), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0382	Anti-Human IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0383	Anti-Goat IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0385	Anti-Rabbit IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0386	Anti-Rabbit IgG (H+L), Human Serum Adsorbed and DyLight 488 labeled	1 Vial x 1.0 mg
5230-0387	Anti-Rat IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0388	Anti-Guinea Pig IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0389	Anti-Mouse IgG (gamma), Human Serum Adsorbed, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0390	Anti-Mouse IgM (mu) and Human Serum Adsorbed, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0391	Anti-Mouse IgG (H+L) HSA, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0392	Anti-Mouse IgG+IgM (H+L) Antibody, Human Serum Adsorbed and DyLight 488 labeled	1 Vial x 1.0 mg
5230-0393	Anti-Mouse IgG (H+L) RbSA, HSA, DyLight 488 labeled	1 Vial x 1.0 mg
5230-0394	Anti-Chicken IgG (H+L), DyLight 488 labeled	1 Vial x 1.0 mg
5230-0395	Rabbit Anti-Goat IgG (H+L), DyLight 549 labeled	1 Vial x 1.0 mg
5230-0397	Anti-Guinea Pig IgG (H+L), DyLight 549 labeled	1 Vial x 1.0 mg
5230-0399	Anti-Mouse IgM (mu) and Human Serum Adsorbed, DyLight 549 labeled	1 Vial x 1.0 mg
5230-0400	Anti-Human IgG (H+L), DyLight 680 labeled	1 Vial x 1.0 mg
5230-0401	Rabbit Anti-Goat IgG (H+L), DyLight 680 labeled	1 Vial x 1.0 mg
5230-0402	Anti-Rabbit IgG (H+L), DyLight 680 labeled	1 Vial x 1.0 mg
5230-0403	Anti-Rabbit IgG (H+L) HSA, DyLight 680 labeled	1 Vial x 1.0 mg
5230-0404	Anti-Rat IgG (H+L), DyLight 680 labeled	1 Vial x 1.0 mg
5230-0405	Anti-Guinea Pig IgG (H+L), DyLight 680 labeled	1 Vial x 1.0 mg
5230-0406	Anti-Mouse IgG (H+L) HSA, DyLight 680 labeled	1 Vial x 1.0 mg
5230-0407	Anti-Mouse IgG (H+L) RbSA, HSA, DyLight 680 labeled	1 Vial x 1.0 mg
5230-0409	Anti-Chicken IgG (H+L), DyLight 680 labeled	1 Vial x 1.0 mg
5230-0410	Anti-Human IgG (H+L), DyLight 800 labeled	1 Vial x 1.0 mg
5230-0411	Rabbit Anti-Goat IgG (H+L), DyLight 800 labeled	1 Vial x 1.0 mg
5230-0412	Anti-Rabbit IgG (H+L), DyLight 800 labeled	1 Vial x 1.0 mg
5230-0415	Anti-Mouse IgG (H+L), HSA, DyLight 800 labeled	1 Vial x 1.0 mg
5230-0416	Anti-Mouse IgG (H+L), RbSA, HSA, DyLight 800 labeled	1 Vial x 1.0 mg
5230-0418	Anti-Chicken IgG (H+L), DyLight 800 labeled	1 Vial x 1.0 mg
5230-0420	Anti-Mouse IgG (H+L) HSA DyLight 405-labeled	1 Vial x 1.0 mg
5230-0421	Anti-Chicken IgG (H+L) Antibody DyLight 405 labeled	1 Vial x 1.0 mg
5230-0422	Anti-Monkey IgG Antibody, FITC labeled	1 Vial x 1.0 mg
5230-0423	Anti-Monkey IgM Antibody, FITC labeled	1 Vial x 1.0 mg

**Secondary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5230-0425	Anti-Human IgG (H+L) antibody, FITC labeled	1 Vial x 2.0 mg
5230-0426	Anti-Rabbit IgG (H+L) antibody, FITC labeled	1 Vial x 2.0 mg
5230-0427	Anti-Mouse IgG (H+L), Human Serum Adsorbed and FITC labeled	1 Vial x 2.0 mg
5230-0429	Anti-Human IgG, (H+L) F(ab') <sub>2</sub> fragment, Cy5 labeled	1 Vial x 1.0 mg
5230-0430	Anti-Rabbit IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and DyLight 488 Labeled	1 Vial x 1.0 mg
5230-0431	Anti-Mouse IgG (gamma) antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and DyLight 488 labeled	1 Vial x 1.0 mg
5230-0432	Anti-Rabbit IgG (H+L), HSA, F(ab') <sub>2</sub> fragment, DyLight 680 labeled	1 Vial x 1.0 mg
5230-0440	Anti-Mouse IgG (H+L) HSA F(ab') <sub>2</sub> fragment, DyLight 633 labeled	1 Vial x 1.0 mg
5230-0441	Anti-Human IgG (gamma) Antibody, F(ab') <sub>2</sub> fragment, FITC labeled	1 Vial x 1.0 mg
5230-0442	Anti-Human IgM (mu) Antibody, F(ab') <sub>2</sub> fragment, FITC labeled	1 Vial x 1.0 mg
5230-0443	Anti-Human IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, FITC labeled	1 Vial x 1.0 mg
5230-0444	Anti-Rabbit IgG (H+L) antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and FITC labeled	1 Vial x 1.0 mg
5230-0446	Anti-Mouse IgG (H+L) antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed and FITC labeled	1 Vial x 1.0 mg
5260-0027	Biotinylated Anti-Human IgA (alpha chain) Antibody	1 Vial x 0.5 mg
5260-0028	Biotinylated Anti-Human IgG (gamma) Antibody	1 Vial x 0.5 mg
5260-0029	Biotinylated Anti-Human IgM (mu) Antibody	1 Vial x 0.5 mg
5260-0030	Biotinylated Anti-Human IgE (epsilon) Antibody	1 Vial x 0.5 mg
5260-0031	Biotinylated Anti-Human IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0032	Biotinylated Anti-Human IgA+IgG+IgM (H+L) Antibody	1 Vial x 0.5 mg
5260-0033	Biotinylated Anti-Bovine IgM (mu) Antibody	1 Vial x 0.5 mg
5260-0035	Biotinylated Anti-Goat IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0036	Biotinylated Anti-Swine IgG (gamma) Antibody	1 Vial x 0.5 mg
5260-0038	Biotinylated Anti-Rabbit IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0041	Biotinylated Anti-Rat IgM (mu) Antibody	1 Vial x 0.5 mg
5260-0043	Biotinylated Anti-Rat IgG (H+L) Antibody, Mouse Serum Adsorbed	1 Vial x 0.5 mg
5260-0044	Biotinylated Anti-Guinea Pig IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0045	Biotinylated Anti-Mouse IgA (alpha) Antibody, Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0046	Biotinylated Anti-Mouse IgG (gamma) Antibody, Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0047	Biotinylated Anti-Mouse IgM (mu) Antibody, Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0048	Biotinylated Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0049	Biotinylated Anti-Mouse IgA, IgG, IgM (H+L) Antibody, Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0050	Biotinylated Anti-Mouse IgG and IgM (H+L) Antibody, Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0051	Biotinylated Anti-Mouse IgG (H+L) Antibody, Rat and Human Serum Adsorbed	1 Vial x 0.5 mg
5260-0052	Biotinylated Anti-Mouse IgG (H+L) Antibody, Rabbit and Human Serum Adsorbed	1 Vial x 0.5 mg



## Secondary Antibodies and Conjugates (continued)

Material #	Product Description	Packaging
5260-0053	Biotinylated Anti-Dog IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0054	Biotinylated Anti-Cat IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0055	Biotinylated Anti-Horse IgG (gamma) Antibody	1 Vial x 0.5 mg
5260-0056	Biotinylated Anti-Horse IgM (mu) Antibody	1 Vial x 0.5 mg
5260-0057	Biotinylated Anti-Sheep IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0058	Biotinylated Anti-Chicken IgG (H+L) Antibody	1 Vial x 0.5 mg
5260-0059	Biotinylated Anti-Human IgG (H+L) Antibody	1 Vial x 2.0 mg
5260-0060	Biotinylated Anti-Rabbit IgG (H+L) Antibody	1 Vial x 2.0 mg
5260-0061	Biotinylated Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed	1 Vial x 2.0 mg
5260-0062	Biotinylated Anti-Human IgG (gamma) Antibody, F(ab') <sub>2</sub> fragment	1 Vial x 1.0 mg
5260-0063	Biotinylated Anti-Human IgG (H+L) antibody, F(ab') <sub>2</sub> Fragment	1 Vial x 1.0 mg
5260-0064	Biotinylated Anti-Mouse IgG (H+L) Antibody, F(ab') <sub>2</sub> fragment, Human Serum Adsorbed	1 Vial x 1.0 mg
5450-0009	Anti-Human IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 1.0 mL
5450-0010	Anti-Rabbit IgG (H+L) Antibody, Peroxidase labeled	1 Vial x 1.0 mL
5450-0011	Anti-Mouse IgG (H+L) Antibody, Human Serum Adsorbed and Peroxidase labeled	1 Vial x 1.0 mL

## BacTrace Primary Antibodies and Conjugates

Material #	Product Description	Packaging
5320-0027	BacTrace Anti-Shigella Species, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0028	BacTrace Anti-Vibrio Species, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0029	BacTrace Anti-Legionella Species Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5320-0030	BacTrace Anti-Yersinia Species Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5320-0033	BacTrace Anti-Campylobacter Species Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0034	BacTrace Anti-Helicobacter pylori Antibody	1 Vial x 0.1 mg
5320-0035	BacTrace Anti-Escherichia coli O157:H7 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0036	BacTrace Anti-Escherichia coli O111 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0037	BacTrace Anti-Escherichia coli O26 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0038	BacTrace Anti-Escherichia coli O103 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0039	BacTrace Anti-Escherichia coli O145 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0040	BacTrace Anti-Escherichia coli O121 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0041	BacTrace Anti-Escherichia coli O45 Antibody, Peroxidase-labeled	1 Vial x 0.1 mg
5320-0042	BacTrace Anti-Renibacterium salmoninarum Antibody, Peroxidase labeled	1 Vial x 0.1 mg
5320-0044	BacTrace Anti-Salmonella, CSA-1 Antibody, Phosphatase-labeled	1 Vial x 0.1 mg
5320-0045	BacTrace Anti-Campylobacter Species Antibody, Phosphatase- labeled	1 Vial x 0.1 mg
5320-0047	BacTrace Anti-Listeria, Genus Specific Antibody, ReserveAP-labeled	1 Vial x 0.1 mg
5320-0048	BacTrace Anti-Borrelia burgdorferi Antibody, Phosphatase-labeled	1 Vial x 0.1 mg
5330-0058	BacTrace Anti-Listeria, Genus Specific Antibody, FITC-labeled	1 Vial x 0.5 mg

**BacTrace Primary Antibodies and Conjugates** (continued)

Material #	Product Description	Packaging
5330-0059	BacTrace Anti-Salmonella, CSA-1 Antibody, FITC-labeled	1 Vial x 0.5 mg
5330-0060	BacTrace Anti-Campylobacter Species Antibody, FITC-labeled	1 Vial x 0.5 mg
5330-0062	BacTrace Anti-Escherichia coli O157 Latex Beads	1 Vial x 0.5 mg
5330-0063	BacTrace Anti-Renibacterium salmoninarum Antibody, FITC labeled	1 Vial x 0.5 mg
5330-0064	BacTrace Anti-Borrelia burgdorferi Antibody, FITC labeled	1 Vial x 0.5 mg
5330-0065	BacTrace Anti-Borrelia Species Antibody, FITC labeled	1 Vial x 0.5 mg
5330-0066	BacTrace Anti-Shigella Species Antibody, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0067	BacTrace Anti-Vibrio Species, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0068	BacTrace Anti-Legionella Species Antibody, DyLight 488 labeled	1 Vial x 0.5 mg
5330-0069	BacTrace Anti-Yersinia Species Antibody, DyLight 488 labeled	1 Vial x 0.5 mg
5330-0070	BacTrace Anti-Escherichia coli O111, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0071	BacTrace Anti-Escherichia coli O26 Antibody, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0072	BacTrace Anti-Escherichia coli O103 Antibody, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0073	BacTrace Anti-Escherichia coli O145 Antibody, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0074	BacTrace Anti-Escherichia coli O121 Antibody, DyLight 488-labeled	1 Vial x 0.5 mg
5330-0075	BacTrace Anti-Escherichia coli O45 Antibody, DyLight 488-labeled	1 Vial x 0.5 mg
5350-0036	BacTrace Anti-Salmonella CSA-1 Magnetic Beads	1 Vial x 1.0 mL
5350-0037	BacTrace Anti-E. coli O157 Magnetic Beads	1 Vial x 1.0 mL
5350-0053	BacTrace Anti-E coli O91 Magnetic Beads	1 Vial x 1.0 mL
5350-0054	BacTrace Anti-E coli O104 Magnetic Beads	1 Vial x 1.0 mL
5350-0055	BacTrace Anti-Listeria Magnetic Beads	1 Vial x 1.0 mL
5360-0027	BacTrace Anti-Vibrio Species Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0028	BacTrace Anti-Legionella Species Antibody, Biotin labeled	1 Vial x 0.5 mg
5360-0029	BacTrace Anti-Yersinia Species Antibody, Biotin labeled	1 Vial x 0.5 mg
5360-0030	BacTrace Anti-Listeria Genus Specific Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0031	BacTrace Anti-Salmonella CSA-1 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0032	BacTrace Anti-Escherichia coli O157:H7 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0033	BacTrace Anti-Escherichia coli O111 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0034	BacTrace Anti-Escherichia coli O26 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0035	BacTrace Anti-Escherichia coli O103 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0036	BacTrace Anti-Escherichia coli O145 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0037	BacTrace Anti-Escherichia coli O121 Antibody, Biotin-labeled	1 Vial x 0.5 mg
5360-0038	BacTrace Anti-Escherichia coli O45 Antibody, Biotin-labeled	1 Vial x 0.5 mg

**Western Blotting Reagents**

Material #	Product Description	Packaging
5410-0008	Protein Detector TMB Western Blotting Kit	2500 cm <sup>2</sup>
5410-0009	Protein Detector LumiGLO Western Blotting Kit	2500 cm <sup>2</sup>
5410-0010	SignalLOCK HRP ChemiWestern Kit (Film)	1000 cm <sup>2</sup>

**Western Blotting Reagents** (continued)

Material #	Product Description	Packaging
5410-0012	SignalLOCK AP ChemiWestern Kit (Film/Imager)	1000 cm <sup>2</sup>
5410-0013	Protein Detector BCIP/NBT Western Blotting Kit	2500 cm <sup>2</sup>
5420-0020	4 CN Peroxidase Substrate System	6 Vials x 100 mL
5420-0024	4 CN Peroxidase Substrate System (2-C)	6 Bottles x 450 mL
5420-0025	TMB Membrane Peroxidase Substrate System	1 Bottle x 440 mL
5420-0026	TMB Membrane Enhancer	1 Bottle x 40 mL
5420-0027	TMB Membrane Peroxidase Substrate	2 Bottles x 100 mL
5420-0028	TMB Membrane Peroxidase Substrate	1 Bottle x 1.0 L
5420-0029	TMB Membrane Peroxidase Substrate	1 Bottle x 100 mL
5420-0030	BCIP/NBT Phosphatase Substrate System (3-Component)	1 Bottle x 300 mL
5420-0033	BCIP/NBT Phosphatase Substrate	6 Vials x 100 mL
5420-0036	BCIP/NBT Phosphatase Substrate	1 Bottle x 1.0 L
5420-0037	BCIP/NBT Phosphatase Substrate	1 Bottle x 5 L
5420-0038	BCIP/NBT Phosphatase Substrate (1-Component)	1 Bottle x 100 mL
5430-0040	LumiGLO Chemiluminescent Substrate	1 X 120 mL LumiGLO Chemiluminescent Substrate A & 1 x 120 mL LumiGLO Chemiluminescent Substrate B
5430-0041	LumiGLO Chemiluminescent Substrate	3 X 120 mL LumiGLO Chemiluminescent Substrate A & 3 x 120 mL LumiGLO Chemiluminescent Substrate B
5430-0042	LumiGLO Chemiluminescent Substrate	1 x 30 mL LumiGLO Chemiluminescent Substrate A & 1 x 30 mL LumiGLO Chemiluminescent Substrate B
5430-0049	LumiGLO Reserve™ Chemiluminescent Substrate	2 x 200 mL Wash Buffer, 1 x 40mL Solution A, & 1 x 80mL Solution B
5430-0050	LumiGLO Reserve Chemiluminescent Substrate	1 x 100mL Wash Solution, 1 x 10mL Solution A, 1 x 20mL Solution B
5430-0051	LumiGLO Reserve Chemiluminescent Substrate	1 x 100mL 20X Wash Solution, 1 x 17 mL LumiGLO Reserve Chemiluminescent Substrate A, 1 x 34 mL LumiGLO Reserve Chemiluminescent Substrate B
5430-0052	PhosphaGLO™ Reserve AP Substrate	1 Bottle x 30 mL
5430-0053	PhosphaGLO Reserve AP Substrate	1 Bottle x 100 mL
5430-0054	PhosphaGLO AP Substrate	1 Bottle x 30 mL
5430-0055	PhosphaGLO AP Substrate	1 Bottle x 100 mL
5450-0012	Silver Enhancer Kit for Membranes	1 x 250 mL Silver Enhancer MB Solution A, 1x 250 mL, Silver Enhancer MB Solution B

## ELISA Reagents

Material #	Product Description	Packaging
5110-0009	Protein Detector HRP Microwell Kit, Anti-Human	2000 Tests
5110-0010	Protein Detector HRP Microwell Kit, Anti-Rabbit	2000 Tests
5110-0011	Protein Detector HRP Microwell Kit, Anti-Mouse	2000 Tests
5110-0012	Protein Detector AP Microwell Kit, Anti-Human	20 Plates
5110-0013	Protein Detector AP Microwell Kit, Anti-Mouse and Anti-Rabbit	20 Plates
5120-0032	ABTS® ELISA HRP Substrate	6 Vials x 100 mL
5120-0033	ABTS® Peroxidase Substrate System	6 Vials X 450 mL
5120-0041	ABTS® ELISA HRP Substrate	6 Vials x 100 mL
5120-0043	ABTS® ELISA HRP Substrate	1 Bottle x 1.0 L
5120-0046	ABTS® ELISA HRP Substrate	1 Bottle x 100 mL
5120-0047	TMB Microwell Peroxidase Substrate System	6 Vials x 100 mL
5120-0050	TMB Microwell Peroxidase Substrate System	6 Bottles x 450 mL
5120-0053	TMB Microwell Peroxidase Substrate System	2 Bottles x 100 mL
5120-0056	pNPP Microwell Substrate System	1 X 100 5 mg pNPP tablets, 1 X 100 mL DEA Buffer Solution
5120-0057	pNPP Microwell Substrate Tablets	100 Tablets
5120-0058	DEA Buffer Solution	1 Bottle x 100 mL
5120-0059	BluePhos® Microwell Phosphatase Substrate System	6 Vials x 100 mL
5120-0060	BluePhos® Microwell Phosphatase Substrate System	6 Bottles x 450 mL
5120-0061	BluePhos® Microwell Phosphatase Substrate System	2 Bottles x 25 mL
5120-0075	SureBlue™ TMB Microwell Peroxidase Substrate	1 Bottle x 100 mL
5120-0076	SureBlue™ TMB Microwell Peroxidase Substrate	4 Bottles x 100 mL
5120-0077	SureBlue™ TMB Microwell Peroxidase Substrate	1 Bottle x 1.0 L
5120-0078	SureBlue™ TMB Microwell Peroxidase Substrate	1 Bottle x 5 L
5120-0081	SureBlue Reserve™ TMB Microwell Peroxidase Substrate	1 Bottle x 100 mL
5120-0082	SureBlue Reserve™ TMB Microwell Peroxidase Substrate	4 Bottles x 100 mL
5120-0083	SureBlue Reserve™ TMB Microwell Peroxidase Substrate	1 Bottle x 1.0 L
5150-0014	Coating Solution Concentrate	2 Bottles x 25 mL
5150-0017	ABTS Peroxidase Stop Solution	2 Bottles x 100 mL
5150-0020	TMB Stop Solution	4 Bottles x 100 mL
5150-0021	TMB Stop Solution	1 Bottle x 1.0 L
5150-0022	TMB BlueSTOP™ Solution	4 Bottles x 100 mL
5150-0024	TMB BlueSTOP™ Solution	1 Bottle x 1.0 L
5150-0026	APStop™ Solution (10X )	2 Bottles x 100 mL

## Immunohistochemistry

Material #	Product Description	Packaging
5510-0030	TrueBlue Peroxidase Substrate	2 Bottles x 100 mL
5510-0031	DAB Reagent Set	500 Slides

**Immunohistochemistry** (continued)

Material #	Product Description	Packaging
5510-0032	StableDAB Peroxidase Substrate	500 Slides
5510-0033	HistoMark ORANGE	1,000 Slides
5510-0034	HistoMark BLACK	1,000 Slides
5510-0035	HistoMark TrueBlue	500 Slides
5510-0036	HistoMark RED	1,000 Slides
5510-0037	HistoMark BLUE	1,000 Slides
5510-0049	TrueBlue Substrate	1 Bottle x 50 mL
5510-0052	TrueBlue Peroxidase Substrate	1 Bottle x 10 mL
5520-0021	Silver Enhancer Kit for Microscopy	1 X 25 mL Silver Enhancer Solution A, 1 x 25 mL Silver Enhancer Solution B
5520-0022	HistoMark X-Gal Substrate Set	200 Slides
5520-0023	HistoMark Biotin-Streptavidin Peroxidase Kit, Mouse Primary Antibody	500 Slides
5520-0024	HistoMark Biotin Streptavidin-HRP Systems, Anti-Rabbit Antibody	500 Slides
5520-0027	HistoMark Biotin-Streptavidin Phosphatase Kit, Mouse Primary Antibody	500 Slides
5530-0005	Protein Detector HRP ELISpot Kit	5 MultiScreen Immobilon (PVDF) Plates, 1 x 50 mL TrueBlue Peroxidase Substrate, 1 x 1 mL HRP-labeled streptavidin, 1 x 25 mL Coating Solution Concentrate, 1 x 25 mL 10% BSA Diluent/Blocking Solution Concentrate, 1 x 200 mL WashSolution Concentrate (20X)
5540-0001	Contrast RED Solution	1 Bottle x 50 mL
5540-0002	Contrast BLUE Solution	1 Bottle x 50 mL
5540-0003	Contrast GREEN Solution	1 Bottle x 50 mL
5550-0001	Peroxidase-labeled Streptavidin	1 Bottle x 50 mL
5550-0002	Phosphatase-labeled Streptavidin	1 Bottle x 50 mL
5560-0006	10% Normal Rabbit Serum	1 Bottle x 10 mL
5560-0007	10% Normal Goat Serum	1 Bottle x 50 mL
5560-0008	10% Normal Rabbit Serum	1 Bottle x 50 mL
5560-0009	Universal Block for Immunohistochemistry	1 Bottle x 100 mL
5560-0010	10% Normal Mouse Serum	1 Bottle x 50 mL
5570-0005	Fluorescent Mounting Media	1 Bottle x 15 mL
5930-0004	Orcein Stain	1 Bottle x 50 mL
5930-0006	DAPI	1 Vial x 1.0 mg
5930-0008	Propidium Iodide	1 Vial x 1.0 mg

**Labeled Streptavidin and Labeled Protein A**

Material #	Product Description	Packaging
5220-0376	Protein A, Peroxidase labeled	1 Vial x 0.5 mg
5270-0017	Streptavidin, DyLight 488 labeled	1 Vial x 0.1 mg
5270-0018	Streptavidin, DyLight 680 labeled	1 Vial x 0.1 mg

**Labeled Streptavidin and Labeled Protein A** (continued)

Material #	Product Description	Packaging
5270-0019	Streptavidin, DyLight 800 labeled	1 Vial x 0.1 mg
5270-0020	DyLight 405-labeled Streptavidin	1 Vial x 0.1 mg
5270-0021	Streptavidin, RPE labeled	1 Vial x 1.0 mg
5270-0022	Streptavidin, Cy3 labeled	1 Vial x 1.0 mg
5270-0023	Streptavidin, Cy5 labeled	1 Vial x 1.0 mg
5270-0024	Streptavidin, DyLight 488 labeled	1 Vial x 1.0 mg
5270-0025	Streptavidin, DyLight 680 labeled	1 Vial x 1.0 mg
5270-0026	Streptavidin, DyLight 800 labeled	1 Vial x 1.0 mg
5270-0027	DyLight 405-labeled Streptavidin	1 Vial x 1.0 mg
5270-0028	Streptavidin, FITC labeled	1 Vial x 1.0 mg
5270-0029	Streptavidin, Peroxidase labeled	1 Vial x 0.5 mg
5270-0030	Streptavidin, Phosphatase labeled	1 Vial x 0.5 mg
5950-0004	Streptavidin, Peroxidase labeled	1 Vial x 1.0 mL
5950-0005	Streptavidin, Phosphatase labeled	1 Vial x 1.0 mL

**Sample Preparation and Protein Purification**

Material #	Product Description	Packaging
5710-0005	Protein A Agarose	1 Bottle x 5 mL
5710-0009	Protein A Agarose Purification Kit	1 Bottle x 5 mL
5720-0002	Protein G Agarose	1 Bottle x 10 mL
5720-0004	Protein G Agarose Purification Kit	2 Bottle x 10 mL

**Recombinant Protein Detection**

Material #	Product Description	Packaging
5810-0023	HisDetector Western Blot Kit, HRP Colorimetric	40 Blots
5810-0024	HisDetector Western Blot Kit, HRP Chemiluminescent	40 Blots
5810-0025	HisDetector Western Blot Kit, AP Colorimetric	40 Blots
5820-0001	HisDetector Nickel-HRP	1 Vial x 0.1 mg/mL
5820-0003	HisDetector Nickel-AP	1 Vial x 0.1 mg/mL

**Support Reagents and Accessories**

Material #	Product Description	Packaging
5140-0006	10% BSA Diluent/Blocking Solution	2 Bottles x 100 mL
5140-0008	10% BSA Diluent/Blocking Solution	1 Bottle x 1.0 L
5140-0011	Milk Diluent/Blocking Concentrate	2 Bottles x 100 mL
5150-0008	Wash Solution (20X)	4 Bottles x 200 mL
5150-0011	Wash Solution (20X)	1 Bottle x 1.0 L
5290-0005	HRP Stabilizer	1 Bottle x 200 mL
5290-0007	AP Stabilizer	1 Bottle x 200 mL
5440-0001	5X SignalLOCK Blocking Solution	1 Bottle x 125 mL

## Support Reagents and Accessories (continued)

Material #	Product Description	Packaging
5460-0011	10X Tris-Glycine Transfer Buffer	1 Bottle x 1.0 L
5460-0012	10X Tris-Glycine Transfer Buffer	1 Bottle x 5 L
5460-0015	10X Tris-Glycine SDS Buffer	1 Bottle x 1.0 L
5460-0016	10X Tris-Glycine SDS Buffer	1 Bottle x 5 L
5460-0019	10% TWEEN 20	1 Bottle x 200 mL
5460-0020	10% TWEEN 20	1 Bottle x 1.0 L
5460-0022	10X Phosphate-buffered Saline (PBS)	1 Bottle x 1.0 L
5460-0023	10X Phosphate-buffered Saline	1 Bottle x 5 L
5460-0026	10X Phosphate-buffered Saline with TWEEN 20	1 Bottle x 200 mL
5460-0027	10X Phosphate-buffered Saline with TWEEN 20	1 Bottle x 1.0 L
5460-0030	10X Dulbecco's Phosphate-buffered Saline	1 Bottle x 1.0 L
5460-0031	10X Dulbecco's PBS (D-PBS)	1 Bottle x 5 L
5460-0033	10X Dulbecco's Phosphate-buffered Saline with TWEEN 20	1 Bottle x 200 mL
5460-0034	10X Dulbecco's Phosphate-buffered Saline with TWEEN 20	1 Bottle x 1.0 L
5460-0036	10X Tris-buffered Saline	1 Bottle x 1.0 L
5460-0037	10X Tris-buffered Saline	1 Bottle x 5 L
5460-0040	10X Tris-buffered Saline with 0.5% TWEEN 20	1 Bottle x 200 mL
5460-0041	10X Tris-buffered Saline with 0.5% TWEEN 20	1 Bottle x 1.0 L
5460-0043	10X Tris-buffered Saline with 10% TWEEN 20	1 Bottle x 200 mL
5460-0044	10X Tris-buffered Saline with 10% TWEEN 20	1 Bottle x 1.0 L
5460-0046	5% SDS Solution	2 Bottles x 100 mL
5640-0001	Spin-Pure Filters	5 included with each package
5920-0004	5X Detector Block	2 Bottles x 10g powder
5960-0015	Biotin Wash Solution Concentrate (10X)	2 Bottles x 100 mL
5960-0021	20X SSC	1 Bottle x 1.0 L
5960-0025	Biodyne B Nylon Membrane	1 roll (20 cm x 1 m)
5960-0026	Hybridization Bags	50 Bags

## Nucleic Acid Labeling and Detection

Material #	Product Description	Packaging
5910-0027	Detector HRP Chemiluminescent Blotting Kit	2000 cm <sup>2</sup>
5910-0029	Detector AP Chemiluminescent Blotting Kit	500 cm <sup>2</sup>
5910-0031	Detector PCR DNA Biotinylation Kit	30 Reactions
5920-0003	Herring Sperm DNA	1 Bottle x 40 mg
5960-0017	Phosphatase Assay Buffer (10X)	1 Bottle x 200 mL
5960-0018	Phosphatase Wash Solution (5X)	1 Bottle x 600 mL
5960-0023	Formamide Hybridization Buffer	2 Bottles x 120 mL
5960-0029	GeneRuler Biotinylated DNA Ladder	20 - 50 lanes

## Protein Labeling

Material #	Product Description	Packaging
5610-0020	SureLINK Fluorescein (FITC) Labeling Kit	5 Reactions
5610-0021	SureLINK Fluorescein-X (FAM-X) Labeling Kit	5 Reactions
5610-0022	SureLINK HRP Conjugation Kit	6 x 0.1 mg Reaction
5610-0023	SureLINK HRP Conjugation Kit	6 x 1.0 mg Reaction
5610-0024	SureLINK HRP Conjugation Kit	2 x 1.0 mg Reaction
5610-0025	SureLINK AP Conjugation Kit	3 x 0.1 mg Reaction
5610-0026	SureLINK AP Conjugation Kit	3 x 0.5 mg Reaction
5610-0027	SureLINK Chromophoric Biotin Labeling Kit	5 Vials x 1.0 mg
5620-0024	SureLINK Activated HRP	1 Vial x 1.5 mg
5620-0029	SureLINK Modified AP	1 Vial x 1.0 mg
5620-0030	SureLINK Chromophoric Biotin	1 Bottle x 10 mg





## AccuSet™ Performance Panels

### HIV

Material #	Panel	# Members	Fill Size (mL)
0800-0251	HIV Drug Resistance Teragenix Performance Panel	10	1.0
0800-0262	HIV-1 Group O Performance Panel	5	1.2
0800-0315	HIV-1 RNA EDTA Performance Panel	12	1.2
0800-0346	HIV Worldwide Performance Panel	15	0.5
0800-0362	HIV-1 p24 Performance Panel	15	1.0
0800-0379	HIV-1 Mixed Titer Performance Panel Modified	16	1.0
0800-0380	HIV-1/2 Performance Panel	13	1.0

### Hepatitis (HAV, HBV, HCV)

Material #	Panel	# Members	Fill Size (mL)
0805-0216	Anti-HBc IgM Mixed Titer Performance Panel Modified	22	1.0
0805-0340	HBsAg Performance Panel	25	1.5
0805-0341	Anti-HBc/HBs Performance Panel	20	1.5
0805-0362	HBV DNA Genotype Performance Panel	7	1.5
0810-0204	HCV Performance Panel	25	1.0
0810-0230	HCV Worldwide Performance Panel	22	1.0
0820-0167	HAV Mixed Titer Performance Panel	21	1.2

### ToRCH

Material #	Panel	# Members	Fill Size (mL)
0815-0003	HSV-1/2 Mixed Titer Performance Panel	21	1.2
0820-0321	Toxoplasmosis Performance Panel	24	1.0
0820-0347	Rubella Performance Panel	20	1.0
0820-0389	CMV Performance Panel	20	1.0

### Vector-Borne Diseases

Material #	Panel	# Members	Fill Size (mL)
0845-0142	Zika IgM Performance Panel	10	1.0
0845-0153	Dengue Performance Panel	15	1.0
0845-0169	Lyme Performance Panel	15	1.0
0845-0185	Babesia Performance Panel	15	1.0
0845-0201	Chagas (T. cruzi) Performance Panel	20	1.0

### Other Diseases

Material #	Panel	# Members	Fill Size (mL)
0820-0186	Parvovirus B19 Mixed Titer Performance Panel	21	1.2
0820-0192	HTLV-I/II Mixed Titer Performance Panel	21	1.2
0820-0300	Syphilis Performance Panel	20	1.0

**Other Diseases** (continued)

Material #	Panel	# Members	Fill Size (mL)
0840-0001	Autoimmune Performance Panel	20	1.0
0850-0024	Anti-EBV Mixed Titer Performance Panel	21	1.2

**AccuVert™ Seroconversion Panels**

**HIV**

Material #	Panel	# Members	Fill Size (mL)	HIV-1 RNA	HIV-1 p24 Ag	HIV-1 Ab
0600-0227	HIV-1 Seroconversion Panel AV	4	1.0	▲	▲	○
0600-0230	HIV-1 Seroconversion Panel AY Modified	4	1.0	▲	▲	▲
0600-0232	HIV-1 Seroconversion Panel AZ	4	1.0	▲	▲	▲
0600-0237	HIV-1 Seroconversion Panel BC	4	1.0	●	▲	▲
0600-0240	HIV-1 Seroconversion Panel BF	5	1.0	▲	▲	▲
0600-0243	HIV-1 Seroconversion Panel	9	1.0	▲	▲	○
0600-0244	HIV-1 Seroconversion Panel	6	1.0	▲	▲	○
0600-0245	HIV-1 Seroconversion Panel	7	1.0	▲	▲	□
0600-0246	HIV-1 Seroconversion Panel	6	1.0	▲	▲	○
0600-0248	HIV-1 Seroconversion Panel	10	1.0	▲	▲	▲
0600-0249	HIV-1 Seroconversion Panel	6	1.0	▲	▲	▲
0600-0250	HIV-1 Seroconversion Panel	10	1.0	▲	▲	▲
0600-0251	HIV-1 Seroconversion Panel	10	1.0	▲	▲	▲
0600-0252	HIV-1 Seroconversion Panel	4	1.0	●	●	▲
0600-0253	HIV-1 Seroconversion Panel	4	1.0	●	▲	▲
0600-0256	HIV-1 Seroconversion Panel	4	1.2	●	▲	▲
0600-0258	HIV-1 Seroconversion Panel	4	1.2	▲	▲	□
0600-0260	HIV-1 Seroconversion Panel	5	1.2	▲	▲	○
0600-0261	HIV-1 Seroconversion Panel	4	1.2	●	▲	○
0600-0262	HIV-1 Seroconversion Panel	4	1.2	●	▲	▲
0600-0263	HIV-1 Seroconversion Panel	7	1.2	▲	▲	○
0600-0265	HIV-1 Seroconversion Panel	9	1.0	▲	▲	○
0600-0270	HIV-1 Seroconversion Panel	4	1.0	▲	○	▲
0600-0271	HIV-1 Seroconversion Panel	8	1.0	●	◆	◆
0600-0272	HIV-1 Seroconversion Panel	6	1.0	▲	◆	▲

**Legend**

- ▲ = converts negative to positive
- ▽ = converts positive to negative
- ◆ = variable conversion
- = all members negative
- = all members positive
- = members negative or indeterminate
- NT = not tested

## HBV

Material #	Panel	# Members	Fill Size (mL)	HBV DNA	HBsAg	HBeAg	HBc IgM Ab	HBc Total Ab	HBe Ab	HBs Ab
0605-0026	HBV Seroconversion Panel	6	1.5	●	●	▲	○	○	○	○
0605-0028	HBV Seroconversion Panel	8	1.5	●	▲	NT	NT	NT	NT	NT
0605-0038	HBV Seroconversion Panel	8	1.5	●	●	▲	○	○	NT	NT
0605-0039	HBV Seroconversion Panel	5	1.5	●	▲	○	○	○	○	○
0605-0041	HBV Seroconversion Panel	5	1.5	●	▲	▲	○	○	○	○
0605-0059	HBV Seroconversion Panel	8	1.5	●	▲	○	○	○	○	○
0605-0061	HBV Seroconversion Panel	7	1.5	●	▲	▲	▲	▲	○	○

## HCV

Material #	Panel	# Members	Fill Size (mL)	HCV RNA	HCV Ab (EIA)	HCV Ab RIBA
0610-0210	HCV Seroconversion Panel	4	1.0	●	▲	NT
0610-0212	HCV Seroconversion Panel	4	1.0	●	▲	▣
0610-0214	HCV Seroconversion Panel	9	1.0	◆	▲	▲
0610-0217	HCV Seroconversion Panel	7	1.0	▲	▲	▲
0610-0218	HCV Seroconversion Panel Modified	9	1.0	▽	▲	▲
0610-0221	HCV Seroconversion Panel	6	1.2	●	▲	▣
0610-0223	HCV Seroconversion Panel	6	1.2	●	▲	▲
0610-0224	HCV Seroconversion Panel	5	1.2	●	▲	▲
0610-0225	HCV Seroconversion Panel	5	1.2	●	▲	▣
0610-0293	HCV Seroconversion Panel	5	1.2	▲	○	○
0610-0294	HCV Seroconversion Panel	9	1.2	▲	○	○
0610-0295	HCV Seroconversion Panel	6	1.2	▲	○	○

## Other Diseases

Material #	Panel	# Members	Fill Size (mL)
0615-0016	HAV Seroconversion Panel	10	1.0
0615-0017	Syphilis Seroconversion Panel	9	1.2
0615-0026	HAV Seroconversion Panel	8	1.2
0615-0038	Chagas (T. cruzi) Seroconversion Panel	10	1.2
0615-0039	CMV Seroconversion Panel	4	1.2
0820-0187	West Nile Virus (WNV) Seroconversion Panel	5	1.5

## AccuSpan™ Linearity Panels

Material #	Panel	# Members	Fill Size (mL)
2410-0161	HBsAg Sensitivity Panel	15	1.5
2410-0162	HBV DNA Linearity Panel	9	1.2
2410-0166	HCV RNA Linearity Panel (Plasma)	8	1.2

## AccuSpan™ Linearity Panels (continued)

Material #	Panel	# Members	Fill Size (mL)
2410-0174	CMV DNA Linearity Panel	9	2.0
2410-0221	HIV-1 RNA Linearity Panel	10	1.2
2410-0318	Zika RNA Linearity Panel	7	1.5
2410-0327	HCV RNA Linearity Panel (AccuPlex™)	8	1.2

## AccuTrak™ Qualification Panels

Material #	Panel	# Members	Fill Size (mL)
2400-0140	HIV-1 RNA/HCV RNA/HBV DNA Qualification Panel	5	4.0
2400-0141	HBsAg Qualification Panel	6	2.0
2400-0145	Anti-HBc Qualification Panel	6	2.0
2400-0148	Anti-HCV Qualification Panel	6	1.0
2400-0158	HIV-1/2/O/p24 Qualification Panel	6	3.5
2400-0160	Anti-HIV-1/2 Qualification Panel	6	1.0
2400-0161	HPV Genotype Qualification Panel	25	4.0
2400-0163	Syphilis Qualification Panel	6	2.0
2400-0164	Anti-CMV Qualification Panel	6	3.0
2400-0181	Anti-HTLV-I/II Qualification Panel	6	1.5
2400-0182	HCV RNA Genotype Qualification Panel	9	1.2
2400-0201	CMV DNA Qualification Panel	9	2.0
2400-0220	Dengue Synthetic RNA Qualification Panel	4	1.0

## Disease State Material

### Normal/Healthy or Synthetic Matrices

Material #	Product Name
0175-0007	Synthetic Cerebral Spinal Fluid
0300-0005	Normal Human Serum
0300-0008	Normal Human K2 EDTA Plasma
0375-0002	Normal Human Pooled Sputum
0375-0003	Cord Serum

### HIV

Material #	Product Name
0315-0020	HIV-1/2 Antibody Positive Plasma
0315-0024	HIV-1 Antibody Confirmed Positive Plasma
0315-0028	HIV-2 Antibody Confirmed Positive Plasma
0315-0031	HIV-2 Antibody Confirmed Positive, HIV-1 Antibody Negative Plasma
0315-0034	HIV-1 Antigen Positive Plasma

### HIV (continued)

Material #	Product Name
0315-0037	HIV-1 RNA Positive Plasma
0315-0040	HIV-1 RNA Positive, HIV-1/2 Antibody Positive Plasma
0315-0043	HIV-1 RNA Positive, HIV-1/2 Antibody Negative Plasma
0315-0046	HIV-1 Subtype A Positive Plasma
0315-0049	HIV-1 Subtype B Positive Plasma
0315-0052	HIV-1 Subtype C Positive Plasma
0315-0055	HIV-1 Subtype D Positive Plasma
0315-0058	HIV-1 Subtype F Positive Plasma
0315-0061	HIV-1 Subtype K Positive Plasma
0315-0064	HIV-1 Subtype CRF01_AE Positive Plasma
0315-0067	HIV-1 Subtype CRF02_AG Positive Plasma
0315-0070	HIV-1 Subtype CRF03_AB Positive Plasma

**HIV** (continued)

Material #	Product Name
0315-0073	HIV-1 Other Subtype Positive Plasma
0315-0076	HIV-1 Group O Positive Plasma
0315-0079	HIV-1 RNA EDTA Positive Plasma

**Hepatitis**

Material #	Product Name
0301-0006	HAV IgM Antibody Positive Plasma >4 S/CO
0301-0010	HAV IgG/Total Antibody Positive Plasma >2 S/CO
0301-0014	HAV RNA Positive Plasma
0305-0018	HBc IgM Antibody Positive Plasma >4 S/CO
0305-0022	HBc IgM Antibody Positive Plasma >2 S/CO
0305-0026	HBc Total Antibody Positive, HBsAg Positive Plasma
0305-0030	HBc Total Antibody Positive, HBsAg Negative Plasma
0305-0034	HBe Antibody Positive Plasma
0305-0038	HBs Antibody Positive Plasma >2 S/CO
0305-0042	HBs Antibody Positive Plasma >20 mIU/mL
0305-0046	HBs Antibody Positive Plasma >200 mIU/mL
0305-0050	HBs Antibody Positive Plasma >1000 mIU/mL
0305-0054	HBeAg Positive Plasma >2 S/CO
0305-0058	HBsAg Positive Plasma
0305-0066	HBsAg Subtype AY Positive Plasma
0305-0070	HBsAg Subtype AD Positive Plasma
0305-0074	HBV DNA Positive Plasma
0305-0078	HBV Genotype A Positive Plasma
0305-0081	HBV Genotype B Positive Plasma
0305-0084	HBV Genotype C Positive Plasma
0305-0087	HBV Genotype D Positive Plasma
0305-0090	HBV Genotype E Positive Plasma
0305-0093	HBV Genotype F Positive Plasma
0305-0099	HBV Genotype H Positive Plasma
0310-0020	HCV Antibody Positive Plasma
0310-0024	HCV Antibody Confirmed Positive Plasma
0310-0028	HCV Antigen Positive Plasma
0310-0031	HCV RNA Positive Plasma
0310-0034	HCV RNA Positive, HCV Antibody Positive Plasma
0310-0037	HCV RNA Positive, HCV Antibody Negative Plasma
0310-0040	HCV RNA Genotype 1 Positive Plasma
0310-0043	HCV RNA Genotype 1a Positive Plasma
0310-0046	HCV RNA Genotype 1b Positive Plasma
0310-0049	HCV RNA Genotype 2 Positive Plasma
0310-0052	HCV RNA Genotype 2a Positive Plasma
0310-0055	HCV RNA Genotype 2b Positive Plasma
0310-0058	HCV RNA Genotype 3 Positive Plasma
0310-0061	HCV RNA Genotype 4 Positive Plasma
0310-0064	HCV RNA Genotype 5 Positive Plasma

**Hepatitis** (continued)

Material #	Product Name
0310-0067	HCV RNA Genotype 6 Positive Plasma
0310-0070	HCV RNA EDTA Positive Plasma
0311-0010	HEV IgG Antibody Positive Plasma >2 S/CO
0311-0014	HEV IgG Antibody Positive Plasma >4 S/CO
0311-0018	HEV RNA Positive Plasma

**ToRCH (Toxoplasma, Rubella, Cytomegalovirus, and Herpes)**

Material #	Product Name
0330-0004	Toxoplasma IgG Antibody Positive Plasma
0320-0008	Toxoplasma IgM Antibody Positive Plasma
0320-0012	ToRCH Negative Plasma
0320-0016	Cytomegalovirus IgG Antibody Plasma
0320-0020	Cytomegalovirus IgM Antibody Plasma
0320-0024	Rubella IgG Antibody Positive Plasma
0320-0028	Rubella IgM Antibody Positive Plasma
0320-0032	HSV-1 IgG Antibody Positive Plasma
0320-0036	HSV-1 IgM Antibody Positive Plasma
0320-0040	HSV-2 IgG Antibody Positive Plasma
0320-0044	HSV-2 IgM Antibody Positive Plasma

**Vector-Borne**

Material #	Product Name
0325-0014	Dengue IgG Antibody Positive Plasma
0325-0018	Dengue IgM Antibody Positive Plasma
0325-0041	Chagas Antibody Positive Plasma
0325-0045	Lyme Disease IgG Antibody Positive Plasma
0325-0049	Lyme Disease IgM Antibody Positive Plasma
0325-0053	Lyme Disease Total Antibody Positive Plasma
0325-0058	West Nile Virus IgM Antibody Positive Plasma
0325-0062	West Nile Virus IgG Antibody Positive Plasma
0325-0073	Zika IgG Antibody Positive Plasma
0325-0077	Zika IgM Antibody Positive Plasma
0325-0083	Malaria Positive Plasma

**Autoimmune**

Material #	Product Name
0340-0002	Anti-Mitochondrial Antibody (AMA) Positive Plasma
0340-0006	Antinuclear Antibody (ANA) Centromere Positive Plasma
0340-0010	Antinuclear Antibody (ANA) Homogeneous Positive Plasma
0340-0014	Antinuclear Antibody (ANA) Nuclear Positive Plasma
0340-0018	Antinuclear Antibody (ANA) Speckled Positive Plasma
0340-0022	Antinuclear Antibody (ANA) Other Pattern Positive Plasma
0340-0030	Double Stranded DNA (dsDNA) Antibody Positive Plasma
0340-0034	Gliadin IgA Antibody Positive Plasma
0340-0038	Gliadin IgG Antibody Positive Plasma

**Autoimmune** (continued)

Material #	Product Name
0340-0042	Jo-1 Antibody Positive Plasma
0340-0046	Rheumatoid Factor (RF) Antibody Positive Plasma <1000 IU/mL
0340-0050	Rheumatoid Factor (RF) Antibody Positive Plasma >5000 IU/mL
0340-0054	Rheumatoid Factor (RF) Antibody Positive Plasma 1001-2000 IU/mL
0340-0058	Rheumatoid Factor (RF) Antibody Positive Plasma 2001-4000 IU/mL
0340-0062	Rheumatoid Factor (RF) Antibody Positive Plasma 4001-5000 IU/mL
0340-0066	Ribonucleoprotein (RNP) Antibody Positive Plasma
0340-0070	Smith/Ribonucleoprotein (SM/RNP) Antibody Positive Plasma
0340-0074	SCL-70 Antibody Positive Plasma
0340-0078	Smith Antibody Positive Plasma
0340-0082	SSA Antibody Positive Plasma
0340-0086	SSB Antibody Positive Plasma
0340-0090	Thyroglobulin (TG) Antibody Positive Plasma
0340-0094	Thyroid Peroxidase Antibody (TPO) Positive Plasma
0340-0098	Ribosomal P Antibody Positive Plasma

**Other Infectious**

Material #	Product Name
0325-0029	HTLV-I Confirmed Antibody Positive Plasma
0325-0033	HTLV-II Confirmed Antibody Positive Plasma

**Other Infectious** (continued)

Material #	Product Name
0325-0037	HTLV-I/II Antibody Positive Plasma
0345-0004	Epstein-Barr Virus (EBV) VCA IgM Positive Plasma
0345-0008	Epstein-Barr Virus (EBV) VCA IgG Positive Plasma
0345-0012	Epstein-Barr Virus (EBV) VCA Negative Plasma
0345-0016	Epstein-Barr Virus (EBV) EBNA IgM Antibody Positive Plasma
0345-0020	Epstein-Barr Virus (EBV) EBNA IgG Antibody Positive Plasma
0350-0003	Varicella Zoster Virus (VZV) IgG Antibody Positive Plasma
0350-0007	Varicella Zoster Virus (VZV) IgM Antibody Positive Plasma
0350-0011	Parvovirus IgM Antibody Positive Plasma
0350-0015	Parvovirus IgG Antibody Positive Plasma
0350-0019	Parvovirus DNA Positive Plasma
0350-0023	Mycoplasma IgM Antibody Positive Plasma
0350-0027	Mycoplasma IgG Antibody Positive Plasma
0350-0031	Chlamydia IgM Antibody Positive Plasma
0350-0035	Chlamydia IgG Antibody Positive Plasma
0350-0039	Chlamydia IgA Antibody Positive Plasma
0365-0003	Syphilis (T. pallidum) IgG Antibody Positive Plasma
0365-0007	Rapid Plasma Reagin (RPR) Positive Plasma
0365-0010	Syphilis (T. pallidum) IgM Antibody Positive Plasma

**AccuType™ Viral Isolates and Purified RNA****HIV Viral Isolates**

Material #	Product Name	Country of Origin	Isolate ID
0400-0001	HIV-1 Genotype CRF02-AG	Djibouti	DJ258
0400-0002	HIV-1 Genotype A	Uganda	UG273
0400-0003	HIV-1 Genotype CRF02-AG	Djibouti	DJ263
0400-0004	HIV-1 Genotype A	Uganda	UG275
0400-0005	HIV-1 Genotype CRF02-AG	Liberia	POC44951
0400-0006	HIV-1 Genotype AG	Ghana	I-2496
0400-0007	HIV-1 Genotype B	Thailand	BK132
0400-0008	HIV-1 Genotype B	USA	US2
0400-0009	HIV-1 Genotype B	Brazil	BZ167
0400-0010	HIV-1 Genotype B	USA	US4
0400-0011	HIV-1 Genotype B	USA	93US144
0400-0012	HIV-1 Genotype B	Thailand	CM237
0400-0013	HIV-1 Genotype B	USA	US1
0400-0014	HIV-1 Genotype B	USA	93US143

**HIV Viral Isolates (continued)**

Material #	Product Name	Country of Origin	Isolate ID
0400-0015	HIV-1 Genotype B	USA	93US141
0400-0016	HIV-1 Genotype B	USA	US3
0400-0017	HIV-1 Genotype C	Ethiopia	ETH2220
0400-0018	HIV-1 Genotype C	Senegal	SE364
0400-0019	HIV-1 Genotype C	Somalia	SM145
0400-0020	HIV-1 Genotype C	Djibouti	DJ259
0400-0021	HIV-1 Genotype C	Uganda	UG268
0400-0022	HIV-1 Genotype C	Zambia	ZAM18
0400-0023	HIV-1 Genotype C	Unknown	I-2516
0400-0024	HIV-1 Genotype D	Senegal	SE365
0400-0025	HIV-1 Genotype D	Uganda	UG274
0400-0026	HIV-1 Genotype D	Uganda	UG270
0400-0027	HIV-1 Genotype CRF01-AE	Thailand	CM240
0400-0028	HIV-1 Genotype CRF01-AE	Indonesia	ID12
0400-0029	HIV-1 Genotype CRF01-AE	Thailand	CM235
0400-0030	HIV-1 Genotype CRF01-AE	Indonesia	ID17
0400-0031	HIV-1 Genotype CRF01-AE	Thailand	NP1465
0400-0032	HIV-1 Genotype CRF01-AE	Thailand	CM243D
0400-0033	HIV-1 Genotype CRF01-AE	Thailand	42368
0400-0034	HIV-1 Genotype CRF01-AE	Thailand	POC30506
0400-0035	HIV-1 Genotype CRF01-AE	Thailand	NP03
0400-0036	HIV-1 Genotype CRF01-AE	Thailand	CM238
0400-0037	HIV-1 Genotype F	Brazil	BZ163
0400-0038	HIV-1 Genotype F	Brazil	BZ126
0400-0039	HIV-1 Genotype F	Brazil	BZ162
0400-0040	HIV-1 Genotype F	Romania	BCI-R07
0400-0041	HIV-1 Genotype F	Romania	BCI-R08
0400-0042	HIV-1 Genotype CRF06	Zaire	BCF-DIOUM
0400-0043	HIV-1 Genotype G	Kenya	HH8793
0400-0044	HIV-1 Genotype G	Zaire	BCF-KITA
0400-0045	HIV-1 Group O	Cameroon	BCF06
0400-0046	HIV-1 Group O	Cameroon	BCF11
0400-0047	HIV-1 Group O	USA	I-2478B
0400-0048	HIV-1 Group O	Spain	I-2481
0400-0051	HIV-1 Genotype A	Kyrgyzstan	9250622-01
0400-0094	HIV-2 Subtype A	Africa	NIH-Z
0400-0095	HIV-2 Subtype B	USA	Seattle

### HIV-1 Purified RNAs

Material #	Product Name	Country of Origin	Isolate ID
0400-0075	HIV-1 Purified RNA Genotype AG	Ghana	I-2496
0400-0076	HIV-1 Purified RNA Genotype CRF02-AG	Liberia	POC44951
0400-0077	HIV-1 Purified RNA Genotype B	Thailand	BK132
0400-0078	HIV-1 Purified RNA Genotype B	USA	US1
0400-0079	HIV-1 Purified RNA Genotype C	Djibouti	DJ259
0400-0080	HIV-1 Purified RNA Genotype C	Unknown	I-2516
0400-0081	HIV-1 Purified RNA Genotype D	Uganda	UG274
0400-0082	HIV-1 Purified RNA Genotype D	Senegal	SE365
0400-0083	HIV-1 Purified RNA Genotype CRF01-AE	Thailand	42368
0400-0084	HIV-1 Purified RNA Genotype CRF01-AE	Thailand	POC30506
0400-0085	HIV-1 Purified RNA Genotype F	Brazil	BZ126
0400-0086	HIV-1 Purified RNA Genotype F	Brazil	BZ162
0400-0087	HIV-1 Purified RNA Genotype CRF06	Zaire	BCF-DIOUM
0400-0088	HIV-1 Purified RNA Genotype G	Kenya	HH8793
0400-0089	HIV-1 Purified RNA Genotype G	Zaire	BCF-KITA
0400-0090	HIV-1 Purified RNA Genotype O	Cameroon	BCF06
0400-0091	HIV-1 Purified RNA Genotype O	Cameroon	BCF11
0400-0092	HIV-1 Purified RNA Genotype O	USA	I-2478B
0400-0093	HIV-1 Purified RNA Genotype O	Spain	I-2481

### Other Viruses

Material #	Product Name	Isolate ID
0410-0002	WNV Lineage I	2001-6263
0410-0003	WNV Lineage II	956-99
0410-0004	EBV	B95-8
0410-0014	HSV-1	VR539
0410-0015	HSV-2	VR540



**SeraCon™ and Basematrix Plasma-Derived Diluents**

Material #	Product Name	Fill Size
1800-0009	SeraCon I Negative Diluent	1 L
1800-0063	SeraCon I Negative Diluent	3 L
1800-0002	SeraCon II Negative Diluent	3 L
1800-0011	SeraCon II Negative Diluent	100 mL
1800-0012	SeraCon II Negative Diluent	1 L
1800-0003	SeraCon II Lipid Depleted Negative Diluent	3 L
1800-0016	SeraCon II D Lipid Depleted Negative Diluent	100 L
1800-0017	SeraCon II D Lipid Depleted Negative Diluent	1 L
1800-0006	SeraCon II CD Hormone Depleted Negative Diluent	3 L
1800-0026	SeraCon II CD Hormone Depleted Negative Diluent	100 mL
1800-0027	SeraCon II CD Hormone Depleted Negative Diluent	1 L
1800-0035	SeraCon II CD Hormone Depleted Double-Stripped Negative Diluent	3 L
1800-0057	SeraCon II CD Hormone Depleted Double-Stripped Negative Diluent	100 mL
1800-0058	SeraCon II CD Hormone Depleted Double-Stripped Negative Diluent	1 L
1800-0049	SeraCon Vitamin D Depleted Negative Diluent	100 mL
1800-0050	SeraCon Vitamin D Depleted Negative Diluent	1 L
1800-0051	SeraCon Vitamin D Depleted Negative Diluent	3 L
1800-0005	SeraCon Matribase Negative Diluent	1 L
1800-0022	SeraCon Matribase Negative Diluent	100 mL
1805-0074	Basematrix Diluent	12 x 3.5 mL
1805-0075	Basematrix Negative Diluent	1 L
1805-0076	Basematrix Negative Diluent	50 mL

**Human Serum**

Material #	Product Name	Fill Size
1830-0002	Pooled Human Serum	100 mL
1830-0003	Pooled Human Serum	1 L
1830-0005	Pooled Human Serum	3 L
0100-0050	Human Serum, Off-the-Clot (Single Donor Units)	Variable

**Human Plasma**

Material #	Product Name	Fill Size
0100-0009	K2 EDTA Plasma	Full unit (180 - 340 mL)
0100-0011	Heparinized Plasma	Full unit (180 - 340 mL)
0100-0013	Human Plasmapheresis Plasma	Full unit (-700 mL)
0100-0030	K3 EDTA Plasma	Full unit (180 - 340 mL)

### Male AB Serum (plasma converted to serum)

Material #	Product Name	Fill Size
1810-0001	Human Male AB Plasma	100 mL

### Human Serum Albumin (HSA)

Material #	Product Name	Fill Size
1850-0026	Human Serum Albumin, Powder	1 kg
1850-0027	Human Serum Albumin, Powder	5 kg
1850-0028	Human Serum Albumin, Powder	100 g
1850-0020	Human Serum Albumin Low B12/Low Folate, Powder	1 kg
1860-0035	Human Serum Albumin Low B12/Low Folate, Powder	5 kg
1860-0037	Human Serum Albumin Low B12/Low Folate, Powder	100 g
1860-0039	Human Serum Albumin, Fatty Acid Free, Powder	1 kg
1860-0040	Human Serum Albumin, Fatty Acid Free, Powder	5 kg
1860-0042	Human Serum Albumin, Fatty Acid Free, Powder	100 g
1860-0016	5% Human Serum Albumin Diagnostic Grade, Liquid	100 mL
1860-0017	5% Human Serum Albumin Diagnostic Grade, Liquid	1 L
1860-0020	20% Human Serum Albumin Diagnostic Grade, Liquid	100 mL
1860-0021	20% Human Serum Albumin Diagnostic Grade, Liquid	1 L
1860-0025	25% Human Serum Albumin Diagnostic Grade, Liquid	100 mL
1860-0026	25% Human Serum Albumin Diagnostic Grade, Liquid	1 L
1880-0002	20% Human Serum Albumin Therapeutic Grade, Liquid	100 mL
1880-0004	25% Human Serum Albumin Therapeutic Grade, Liquid	50 mL
1880-0005	25% Human Serum Albumin Therapeutic Grade, Liquid	100 mL

### Human Gamma Globulin (HGG)

Material #	Product Name	Fill Size
1860-0047	Human Gamma Globulin, Powder	100 g
1860-0048	Human Gamma Globulin, Powder	500 g
1875-0006	5% Human Gamma Globulin Diagnostic Grade, Liquid	100 mL
1875-0007	5% Human Gamma Globulin Diagnostic Grade, Liquid	1 L


### Bovine Serum Albumin (BSA)


Material #	Product Name	Fill Size
1900-0002	Bovine Serum Albumin Standard Grade	1 kg
1900-0003	Bovine Serum Albumin Standard Grade	5 kg
1900-0004	Bovine Serum Albumin Standard Grade	10 kg
1900-0007	Bovine Serum Albumin Standard Grade	100 g


## Bovine Serum Albumin (BSA) (continued)

Material #	Product Name	Fill Size
1900-0011	Bovine Serum Albumin Reagent Grade	1 kg
1900-0012	Bovine Serum Albumin Reagent Grade	5 kg
1900-0013	Bovine Serum Albumin Reagent Grade	10 kg
1900-0016	Bovine Serum Albumin Reagent Grade	100 g



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