

# A legacy of reliability




Quality controls

## Accurate, reliable molecular quality control solutions

**Thermo Scientific AcroMetrix**  
molecular standards and quality controls

North America Catalog



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# One portfolio for all your QC needs

As molecular diagnostics expand into the medical setting, clinical laboratories face the challenges of implementing new methods and finding dependable, convenient and affordable quality control materials to validate and verify assays before patient results can be reliably reported.

The Thermo Scientific™ AcroMetrix™ portfolio offers your molecular laboratory standardized third-party controls, validation panels and custom solutions. With our legacy of reliability, you have the assurance of accurate and consistent results. Count on us to provide innovative solutions—from extraction to detection.



## Legacy of reliability

Trace each new release of molecular controls back to the very first lot manufactured



## Pioneering innovation

Establish your lab at the forefront of technology with innovative molecular controls designed for the latest PCR and NGS platforms



## Your selections, our solutions

Personalize quality controls and standards to meet your product specifications with our custom solutions



## Confidence you can count on

Rely on controls that mimic patient samples, enabling use as a complete assay control from extraction to detection

# Infectious disease testing

## Measure the full analytical range of your system

AcroMetrix products help standardize infectious disease testing in your lab, allowing you to achieve unprecedented levels of performance. For **HCV testing**, for instance, you benefit from **ultra-high-titer controls** thanks to SynTura™ technology.

### SynTura technology

- Recombinant HCV virus
- Noninfectious to humans
- Detectable in HCV assays

## Nucleic acid testing (NAT) controls

Catalog Number	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
<b>HIV-1/HBV/HCV Multi-Analyte</b>				
967150	AcroMetrix HIV-1/HCV/HBV Low Control	50.0 mL	1 bottle	CE-IVD, IVD
967151	AcroMetrix HIV-1/HCV/HBV High Control	50.0 mL	1 bottle	CE-IVD, IVD
<b>HIV-1</b>				
942013	AcroMetrix HIV-1 Panel IU/mL (0, 1E2, 1E3, 1E4, 1E5, 1E6, 1E7 IU/mL)	1.2 mL	7 vials	RUO
950470	AcroMetrix HIV-1 Panel Copies/mL (0, 1E2, 5E2, 5E3, 5E4, 5E5, 5E6 copies/mL)	1.2 mL	7 vials	RUO
964001	AcroMetrix HIV-1 Low Control	1.2 mL	5 vials	CE-IVD, IVD
964002	AcroMetrix HIV-1 Mid Control	1.2 mL	5 vials	CE-IVD, IVD
964003	AcroMetrix HIV-1 High Control	1.2 mL	5 vials	CE-IVD, IVD
<b>HBV</b>				
950150	AcroMetrix HBV Panel 1.2 mL (5E1, 5E2, 5E3, 5E4, 5E5, 5E6, 5E7 IU/mL)	1.2 mL	7 vials	RUO
965001	AcroMetrix HBV Low Control	1.0 mL	5 vials	CE-IVD, IVD
965002	AcroMetrix HBV Mid Control	1.0 mL	5 vials	CE-IVD, IVD
965003	AcroMetrix HBV High Control	1.0 mL	5 vials	CE-IVD, IVD
<b>HCV</b>				
950350	AcroMetrix HCV-s Panel (1E2, 5E2, 5E3, 5E4, 5E5, 5E6, 2.5E7 IU/mL)	1.2 mL	7 vials	RUO
942000	AcroMetrix HCV Genotyping Panel	0.5 mL	4 vials	RUO
963001	AcroMetrix HCV Low Control	1.2 mL	5 vials	CE-IVD, IVD
963002	AcroMetrix HCV Mid Control	1.2 mL	5 vials	CE-IVD, IVD
963003	AcroMetrix HCV High Control	1.2 mL	5 vials	CE-IVD, IVD
<b>HPV</b>				
950075	AcroMetrix HPV-16 Genotype Control	4.0 mL	5 vials	RUO
950076	AcroMetrix HPV-18 Genotype Control	4.0 mL	5 vials	RUO
950077	AcroMetrix HPV-68 Genotype Control	4.0 mL	5 vials	RUO
950078	AcroMetrix HPV Negative Control	4.0 mL	5 vials	RUO
<b>CT/NG</b>				
967146	AcroMetrix CT/NG Control	20.0 mL	1 bottle	CE-IVD, IVD
<b>SARS-COV-2</b>				
954519	AcroMetrix COVID-19 RNA Control	20 µl	2 vials	RUO
954517	AcroMetrix SARS-CoV-2 Control	1.5 mL	5 vials	RUO
954516	AcroMetrix Multi-Analyte SARS-CoV-2, Flu A/B, RSV A/B Control	1.5 mL	5 vials	RUO
<b>Assay Inhibitors</b>				
956400	AcroMetrix Inhibition Panel	1.0 mL	7 vials	RUO

CE-IVD CE marking according to the Requirements of European Directive 98/79/EC and (EU) 2017/746 | IVD In Vitro Diagnostics | RUO Research Use Only

# Meeting the requirements of blood screening labs

**Effective detection** of infectious diseases at blood screening labs requires quality controls that offer exceptionally high sensitivity and accuracy. AcroMetrix products are **optimized and validated** to meet these specific quality assurance needs.

## Ensuring screening excellence

- Matches commonly used assays
- Reacts at appropriate levels
- Manufactured in an ISO 13485 facility

## Nucleic acid testing (NAT) controls—blood screening

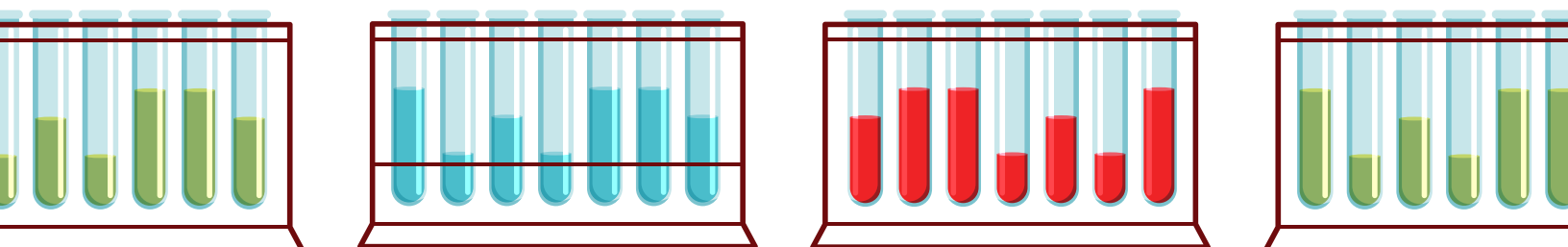
Catalog Number	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
<b>Blood Bank Nucleic Acid Testing Controls</b>				
<b>S2115</b>	Thermo Scientific™ AcroMetrix™ PeliSpy™ NAT MM 375	1.0 mL	50 vials	RUO
<b>963600</b>	AcroMetrix BB NAT Negative Control	1.4 mL	10 vials	IVD
<b>963601</b>	AcroMetrix BB NAT HCV Positive Control	1.4 mL	10 vials	IVD
<b>963602</b>	AcroMetrix BB NAT HIV-1 Positive Control	1.4 mL	10 vials	IVD
<b>963603</b>	AcroMetrix BB NAT HBV Positive Control	1.4 mL	10 vials	IVD
<b>Blood Screening—Nucleic Acid Testing Control Diluents</b>				
<b>S2284</b>	AcroMetrix EDTA Plasma Dilution Matrix	45.0 mL	1 bottle	RUO

## Serology/immunoassay controls—blood screening

Serology controls (formerly PeliSpy Multi-Marker)

Catalog Number	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
<b>S2407</b>	AcroMetrix PeliSpy Sero Control Type 17 HBsAg, anti-HCV, anti-HIV, anti-HTLV	5.0 mL	10 vials	RUO
<b>S2408</b>	AcroMetrix PeliSpy Sero Control Type 36 HBsAg, anti-HCV, anti-HIV, anti-HTLV, anti-HBc	5.0 mL	10 vials	RUO
<b>S2409</b>	AcroMetrix PeliSpy Sero Control Negative	5.0 mL	10 vials	RUO

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# Transplant disease testing

## It's like working with patient samples

With **full-process controls**, you can help ensure optimal performance for transplant disease testing in your lab. AcroMetrix products are quality controls made from whole, unaltered virus in either EDTA-based plasma or in a synthetic matrix similar to cerebrospinal fluid.

### Nucleic acid testing (NAT) controls

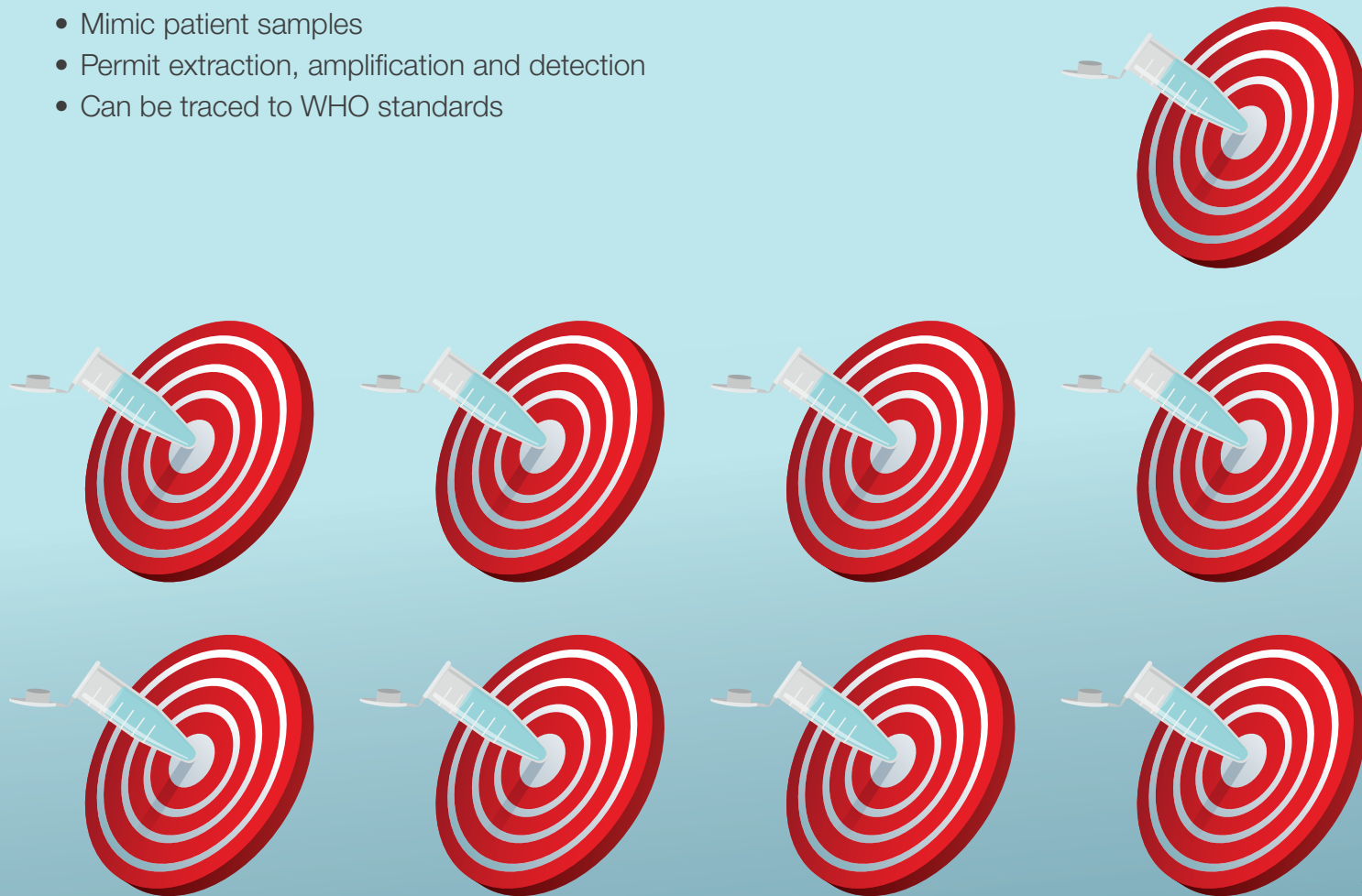
Catalog Number	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
<b>Transplant Multi-Analyte</b>				
957041	Multi-Analyte Control—Transplant (Low/High) BKV, CMV, EBV, HHV-6B, HSV-1, HSV-2, VZV	50.0 mL	2 bottles	RUO
<b>BK Virus</b>				
950360	AcroMetrix BKV Panel (5E2, 5E3, 5E4, 5E5, 5E6 copies/mL)	0.5 mL	5 vials	RUO
960050	AcroMetrix BKV Low Plasma Control	0.5 mL	5 vials	CE-IVD, IVD
960051	AcroMetrix BKV High Plasma Control	0.5 mL	5 vials	CE-IVD, IVD
<b>CMV</b>				
942016	AcroMetrix CMVtc Panel (3E2, 3E3, 3E4, 3E5, 3E6 IU/mL)	0.8 mL	5 vials	RUO
951701	AcroMetrix CMV Low Plasma Control	0.8 mL	5 vials	RUO
951702	AcroMetrix CMV High Plasma Control	0.8 mL	5 vials	RUO
<b>EBV</b>				
942017A	AcroMetrix EBV Plasma Panel (1E2, 1E3, 1E4, 1E5, 1E6 IU/mL)	0.5 mL	5 vials	RUO
961230	AcroMetrix EBV Low Plasma Control	0.5 mL	5 vials	CE-IVD, IVD
961231	AcroMetrix EBV High Plasma Control	0.5 mL	5 vials	CE-IVD, IVD
<b>HSV-1</b>				
954520	AcroMetrix HSV-1 Plasma Panel (1E2, 1E3, 1E4, 1E5, 1E6 copies/mL)	0.5 mL	5 vials	RUO
951301	AcroMetrix HSV-1 Low CSF Control	0.5 mL	5 vials	RUO
954501	AcroMetrix HSV-1 High CSF Control	0.5 mL	5 vials	RUO
<b>HSV-2</b>				
954525	AcroMetrix HSV-2 Plasma Panel (1E2, 1E3, 1E4, 1E5, 1E6 copies/mL)	0.5 mL	5 vials	RUO
951302	AcroMetrix HSV-2 Low CSF Control	0.5 mL	5 vials	RUO
954502	AcroMetrix HSV-2 High CSF Control	0.5 mL	5 vials	RUO
<b>VZV</b>				
954530	AcroMetrix VZV Plasma Panel (1E2, 1E3, 1E4, 1E5, 1E6 copies/mL)	0.5 mL	5 vials	RUO
954511	AcroMetrix VZV Low CSF Control	0.5 mL	5 vials	RUO
954512	AcroMetrix VZV High CSF Control	0.5 mL	5 vials	RUO

## Nucleic acid testing (NAT) controls (continued)

Catalog Number	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
<b>Adenovirus</b>				
954535	AcroMetrix Adenovirus Plasma Panel (1E3, 1E4, 1E5, 1E6, 1E7 copies/mL)	0.5 mL	5 vials	RUO
954505	AcroMetrix Adenovirus Low Plasma Control	0.5 mL	5 vials	RUO
954506	AcroMetrix Adenovirus High Plasma Control	0.5 mL	5 vials	RUO
<b>Enterovirus</b>				
960499	AcroMetrix EV Negative Control	0.3 mL	5 vials	CE-IVD, IVD
960501	AcroMetrix EV Low Control	0.3 mL	5 vials	CE-IVD, IVD
<b>Negative Controls</b>				
951300	AcroMetrix HHV Negative Control	0.5 mL	5 vials	RUO
962000A	AcroMetrix Negative Control	1.0 mL	5 vials	IVD

## True full-process controls

- Mimic patient samples
- Permit extraction, amplification and detection
- Can be traced to WHO standards



# Oncology testing

## Ready to assess NGS performance?

The Thermo Scientific™ AcroMetrix™ Oncology Hotspot Control lets you monitor the performance of various **next-generation sequencing (NGS) platforms**, including custom library preparation panels. The highly multiplexed quality control is manufactured using MegaMix™ technology and is **suitable for assays that detect somatic mutations**. To help ensure the highest levels of accuracy, over 500 SNPs, insertions and deletions of varying lengths and complexities are added against a highly characterized genomic background. You can use the AcroMetrix Oncology Hotspot Control to track multiple variant types of varying nucleotide lengths.

### Oncology quality controls

Catalog Number	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
<b>Solid Tumor</b>				
969056	AcroMetrix Oncology Hotspot Control	25 µL	3 vials	CE-IVD, IVD
10026229	AcroMetrix Hotspot Frequency Ladder	30 µL	7 vials	RUO
10024431	AcroMetrix Core Hotspot-CNV DNA Control	8 µL	8 vials	RUO
10024432	AcroMetrix Core Fusion RNA Control	8 µL	8 vials	RUO
<b>Liquid Biopsy</b>				
957563	AcroMetrix Multi-Analyte ctDNA Plasma Control A (VAF 1%)	2 mL	1 vial	RUO
957564	AcroMetrix Multi-Analyte ctDNA Plasma Control B (VAF 0.5%)	2 mL	1 vial	RUO
957565	AcroMetrix Multi-Analyte ctDNA Plasma Control C (VAF 0.25%)	2 mL	1 vial	RUO
957566	AcroMetrix Multi-Analyte ctDNA Plasma Control D (VAF 0.1%)	2 mL	1 vial	RUO
957567	AcroMetrix Multi-Analyte ctDNA Plasma Control E (VAF 0%)	2 mL	1 vial	RUO
<b>Hematology</b>				
956980	AcroMetrix BCR-ABL Panel	1 x 10 <sup>6</sup> cells	5 vials	RUO

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### MegaMix technology

- Synthetic + genomic DNA blend
- Variants confirmed by Sanger sequencing
- GM24385 genomic background characterized by Genome in a Bottle Consortium (GIAB)







# Cutting-edge technology for NGS QC needs



**500+**  
mutations



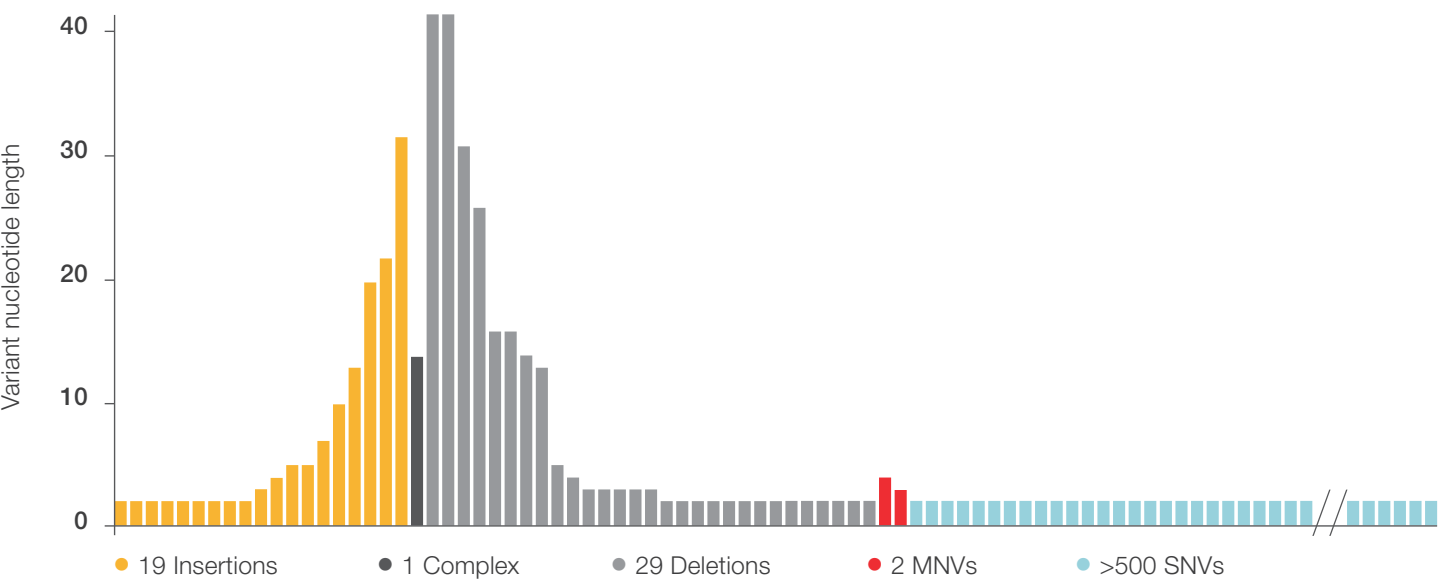
**53**  
genes



**5**  
variant types

## 500+ gene mutations available thanks to MegaMix technology

Track multiple variant types of varying nucleotide lengths



## 53 genes represented

ABL1	CTNNB1	FLT3	JAK2	NOTCH1	SMARCB1
AKT1	EGFR	FOXL2	JAK3	NRAS	SMO
ALK	ERBB2	GNA11	KDR	PDGFRA	SRC
APC	ERBB4	GNAQ	KIT	PIK3CA	STK11
ATM	EZH2	GNAS	KRAS	PTEN	TP53
BRAF	FBXW7	HNF1A	MET	PTPN11	VHL
CDH1	FGFR1	HRAS	MLH1	RB1	MAP2K1
CDKN2A	FGFR2	IDH1	MPL	RET	NPM1
CSF1R	FGFR3	IDH2	MSH6	SMAD4	

# Custom and OEM capabilities

## Tailor-made for you

Thermo Fisher Scientific has a proven history of working with the world's leading diagnostic companies and EQAS/PT providers to meet a broad range of QC needs. You will benefit from an experienced partner who can create custom solutions based on existing catalog products or new analytes with respect to concentration, matrices and fill volumes. We also specialize in developing OEM (RUO/IVD) solutions to help meet your unique needs for in-kit controls and other training/assay QC release control needs.

### Personalized quality controls and standards that can be adapted to suit your specific needs

#### Range of matrices

- Normal human plasma
- Serum
- Synthetic plasma
- Viral transport medium
- CSF

#### Several sample types

- Inactivated or attenuated whole virus
- Recombinant virus
- FFPE
- ctDNA
- ctRNA
- Genomic DNA
- cRNA
- Plasmids
- In-vitro transcripts

#### Flexible features

- Fill volume
- VAF%
- Concentration
- Number of vials

### Supporting your entire assay life cycle with controls that fit your needs



EQAS/PT External Quality Assessment Scheme/Proficiency Testing | CSF Cerebrospinal fluid | FFPE Formalin-fixed paraffin-embedded | ctDNA Circulating tumor DNA | ctRNA Circulating tumor RNA | cRNA complementary RNA

# Customer service

## Order placement

**Phone** 1-800-232-3342—press 1 for Customer Service, then 3 for quality controls

**Fax** 1-800-829-8115

**Email** [mgc-masorders@thermofisher.com](mailto:mgc-masorders@thermofisher.com)

### For orders via email or fax

Please indicate the following required information on your purchase order:

- Customer account number
- Purchase order number
- Shipping address with contact
- Product catalog number
- Quantity desired
- Contact person and phone number

### Mail

Thermo Fisher Scientific  
46500 Kato Road  
Fremont, CA 94538-7310 USA  
ATTN: Customer Service

**Hours** 7 a.m. to 4 p.m. Monday to Friday, PT

### Delivery

Domestic orders are shipped two-day air freight. International orders are shipped through a freight forwarder.

**International** For international orders, contact your local sales office. Refer to back page for contact information.

**Minimum orders** We have a minimum order requirement of \$100.

**Minimum dating reference** Thermo Fisher Scientific currently follows a policy of shipping products to customers based on the shelf life of the product that exists at the time of shipping. Thermo Fisher Scientific does not guarantee the shelf life of the product that is stated in the catalog. The shelf life of the product is based on the date of manufacture and customers may receive products that are within the shelf life of the product and not the full shelf life of the product as advertised. We take all necessary precautions to ensure that our customers receive products with a minimum dating of 6 months.

## Sales support

**Phone** 1-800-232-3342

**Email** [sales.diagnostics.fmt@thermofisher.com](mailto:sales.diagnostics.fmt@thermofisher.com)

## Technical service and support

In most cases, technical assistance is available, 24 hours a day, 7 days a week.

**Phone** 1-800-232-3342, option 2, then 2 for quality controls

### Emails for non-urgent inquiries

**MAS** [mas.controls@thermofisher.com](mailto:mas.controls@thermofisher.com)

**LabLink** [lablink.qap@thermofisher.com](mailto:lablink.qap@thermofisher.com)

### CEDIA, DRI, QMS and Instrumentation

[techservice.mgc@thermofisher.com](mailto:techservice.mgc@thermofisher.com)

**International** For International Service & Support, contact your local sales office. Refer to back page for contact information.

## Terms

**Payment** Payment terms are NET 30 days. Payment is expected within 30 days from the date of the invoice. Thermo Fisher Scientific reserves the right to require payment in advance, C.O.D., credit card or otherwise modify credit terms.

**Prices** Prices are subject to change without notice.

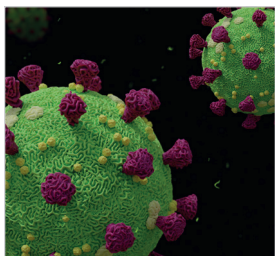
**Shipment** Shipping terms are Free on Board (FOB) shipping point. Customer is responsible for transportation costs from our facility to customer facility; freight is prepaid, then billed on invoice. Transfer of ownership occurs when the shipment leaves our facility.

**Damaged goods** Be sure to inspect your shipment immediately upon arrival. Please notify the Thermo Fisher Scientific Customer Service Department of any product discrepancy or damage within 10 working days of shipment receipt.

**Product claims** Failure to use the product as set forth in the product labeling and application sheets can affect performance.

**NOTE** Sales are subject to the other terms and conditions on Thermo Fisher Scientific invoices. All sales are final. Returned products require a return materials authorization and may be subject to a restocking fee. Call Thermo Fisher Scientific prior to returning any material.

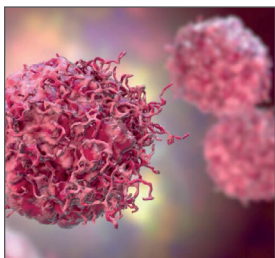
## Supporting innovation in research and development laboratories



### Thermo Scientific AcroMetrix Multi-Analyte SARS-CoV-2, Flu A/B, RSV A/B Control

- Mimics a clinical sample
- Multiplexed quantitative positive control

Visit [thermofisher.com/multi-analyte](https://thermofisher.com/multi-analyte)

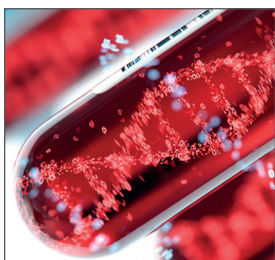


### Thermo Scientific AcroMetrix BCR-ABL Panel

- Full-process panel
- Aligned with the WHO standard

Visit [thermofisher.com/bcr-abl](https://thermofisher.com/bcr-abl)

## Liquid biopsy research just got even stronger



### Thermo Scientific AcroMetrix Multi-Analyte ctDNA Plasma Control

- Unique third-party control for monitoring liquid biopsy assays
- Normal human plasma matrix

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