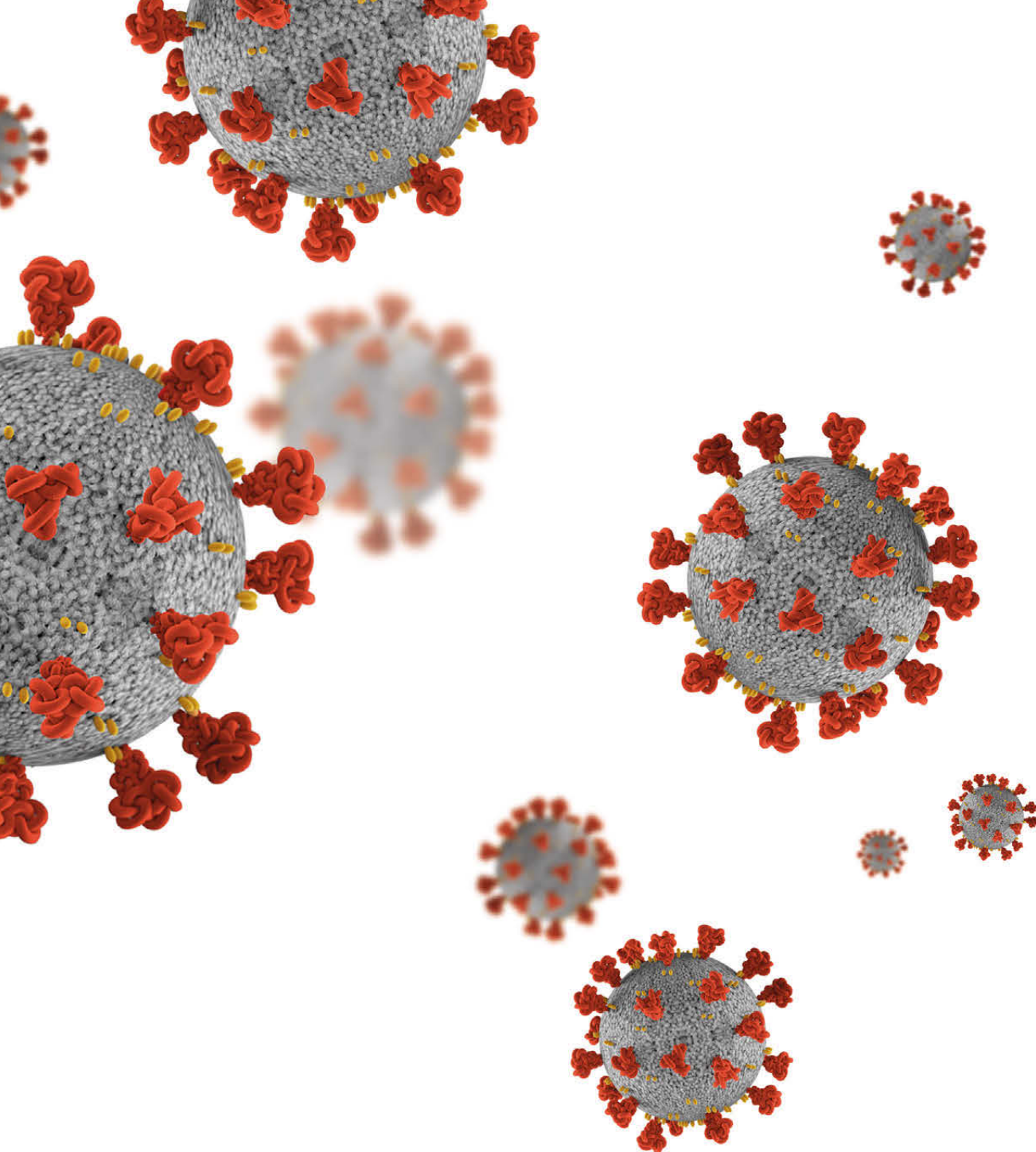Quality Controls

Take control of your lab

Thermo Scientific AcroMetrix molecular standards and quality controls

North America Catalog

thermo scientific

One portfolio for all your QC needs

Clinical labs, research labs, blood centers, and IVD manufacturers all over the world trust Thermo Scientific™ AcroMetrix™ molecular standards and quality controls. AcroMetrix products are designed with a single purpose in mind: ensuring the accuracy and integrity of lab test results.

The AcroMetrix portfolio features controls and validation panels for initial method validation verification and regular QC monitoring. You benefit from the same high quality, standardization, and simplification whatever you choose.

Fully traceable*
Aligned with **international reference standards**

Mimics human specimen
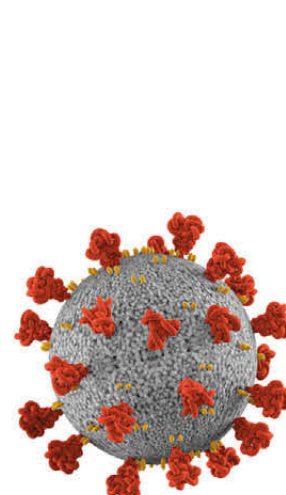Ensures reliability, accuracy, and **meaningful test results**

Platform-agnostic*
Permits **unbiased performance**

Lot-to-lot consistency
For more **confidence** and less **waste**

* Applies to most AcroMetrix controls

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 #	Product Name/ Description	Vial Fill Volume	Package Size	Regulatory Designation
HIV-1/HBV/HCV Multi-Analyte				
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
HIV-1				
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
HBV				
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
HCV				
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
HPV				
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
CT/NG				
967146	AcroMetrix CT/NG Control	20.0 mL	1 bottle	CE-IVD, IVD
SARS-COV-2				
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
Assay inhibitors				
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 #	Product Name/ Description	Vial Fill Volume	Package Size	Regulatory Designation
Blood Bank Nucleic Acid Testing Controls				
960811	AcroMetrix Triscreen (HIV-1, HBV, HCV)	1.0 mL	10 vials	IVD
963600	AcroMetrix BB NAT Negative Control	1.4 mL	10 vials	IVD
963601	AcroMetrix BB NAT HCV Positive Control	1.4 mL	10 vials	IVD
963602	AcroMetrix BB NAT HIV-1 Positive Control	1.4 mL	10 vials	IVD
963603	AcroMetrix BB NAT HBV Positive Control	1.4 mL	10 vials	IVD
960500	AcroMetrix WNV RNA Positive Control	1.4 mL	10 vials	CE-IVD, IVD
Blood Screening – Nucleic Acid Testing Control Diluents				
S2284	AcroMetrix EDTA Plasma Dilution Matrix	45.0 mL	1 bottle	RUO

Serology/immunoassay controls – Blood screening
Serology controls (formerly PeliSpy™ Multi-Marker)

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

Transplant disease testing
It's like working with patient samples

With **full-process controls**, you can 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.

True full-process controls
- Mimics patient samples
- Permits extraction, amplification, and detection
- Controls can be traced to WHO standards

Nucleic acid testing (NAT) controls

Catalog #	Product Name/ Description	Vial Fill Volume	Package Size	Regulatory Designation
Transplant Multi-Analyte				
957041	Multi-Analyte Control – Transplant (Low/High) BKV, CMV, EBV, HHV-6B, HSV-1, HSV-2, VZV	50.0 mL	2 bottles	RUO
BK Virus				
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
CMV				
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
EBV				
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
HSV-1				
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
HSV-2				
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
VZV				
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

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

Nucleic acid testing (NAT) controls (continued)

Catalog #	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
Adenovirus				
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
Enterovirus				
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
Negative Control				
962000A	AcroMetrix Negative Control	1.0 mL	5 vials	IVD
951300	AcroMetrix HHV Negative Control	0.5 mL	5 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

Oncology testing
Ready to assess NGS performance?

The 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 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.

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

Oncology quality controls

Catalog #	Product Name/Description	Vial Fill Volume	Package Size	Regulatory Designation
Solid Tumor				
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
Liquid Biopsy				
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
Hematology				
956980	AcroMetrix BCR-ABL Panel	1×10^6 cells	5 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
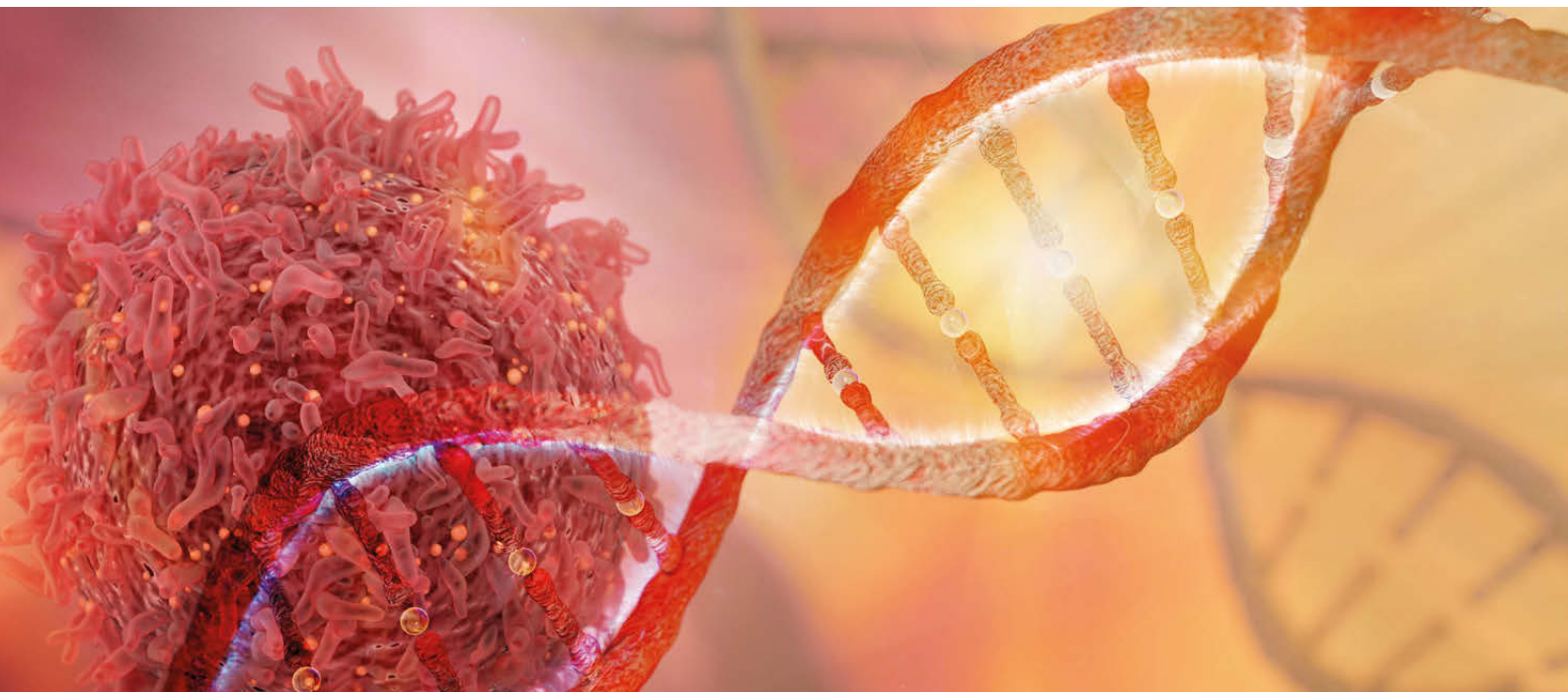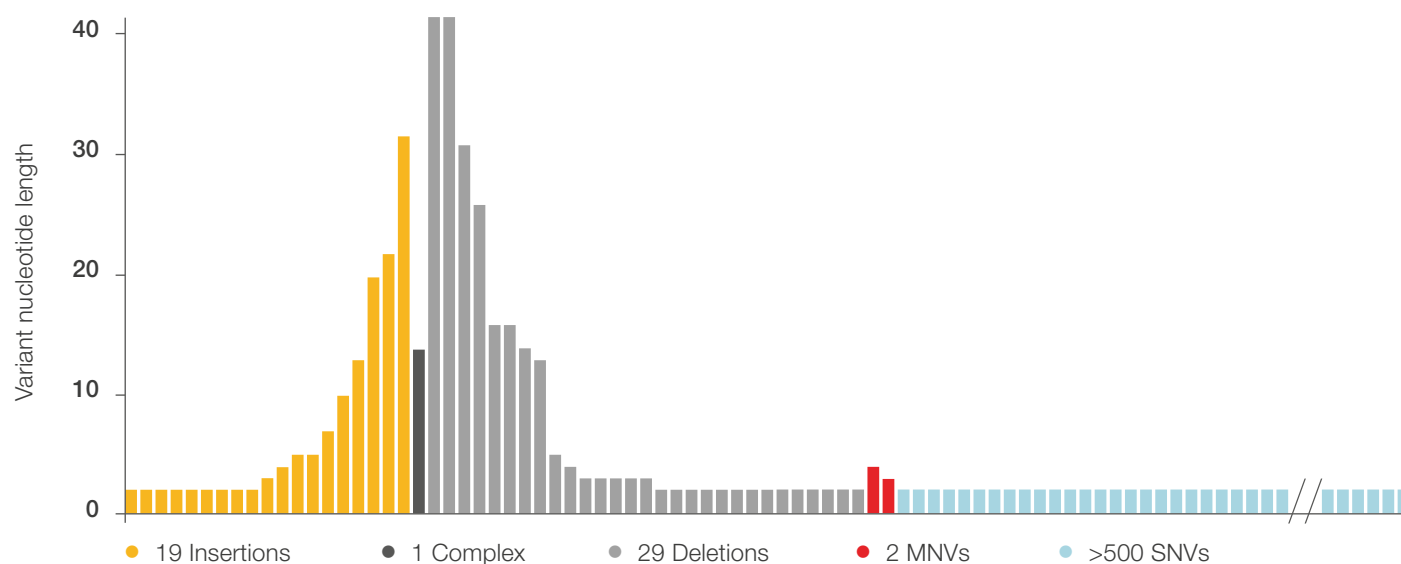
Cutting-edge technology for NGS QC needs

500+ Mutations	**53** Genes	**5** Variant types

500+ gene mutations available thanks to MegaMix technology

Track multiple variant types of varying nucleotide lengths

● 19 Insertions ● 1 Complex ● 29 Deletions ● 2 MNVs ● >500 SNVs

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

A partnership that takes you places

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 that 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.

Mix and match your QC needs

Broad 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
packaging
- Fill volume
- Number of vials
- Concentration

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

Feasibility	Development	Verification	Transfer & validation	Post launch

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

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. – 4 p.m. Monday – Friday, pacific time

Delivery Domestic orders are shipped two-day air freight.

Sales support

Phone 1-800-232-3342
Email 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

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 invoice. All sales are final. Returned
products require a return materials authorization and may be
subject to a restocking fee. Call Thermo Fisher Scientific prior
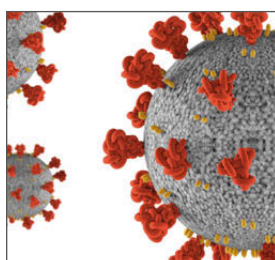to returning any material.

COVID-19 QC for every use case
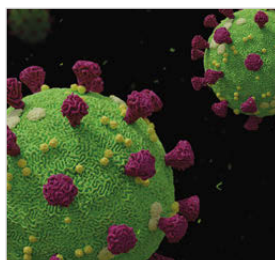
Thermo Scientific
AcroMetrix SARS-CoV-2 Control
- Mimics human specimen
- For fully automated lab setups

Visit **thermofisher.com/sars-cov-2-control**

Thermo Scientific
AcroMetrix COVID-19 RNA Control
- Full-length genomic RNA
- Low-positive and ultra-low-positive concentrations

Visit **thermofisher.com/covid-19-rna-control**

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

Visit **thermofisher.com/957563**

Clinical Diagnostics

USA
46500 Kato Road
Fremont, CA 94538 USA
Tel. 800-232-3342 / +1 510-979-5000
sales.diagnostics.fmt@thermofisher.com

Asia Pacific
Tel. +65 6499 9999
cdd.asia.info2@thermofisher.com

Australia
Tel. +61 1800 333 110
auinfo@thermofisher.com

Canada
Tel. +1 905-286-4290
CDD.Canada@thermofisher.com

China
Tel. +86 400 650 5118
sales.china@thermofisher.com

France, Belgium (Brussels / Wallonia) & Luxembourg
Tel. +33 (0) 1 40 86 65 00
cdx.fr.info@thermofisher.com

Germany
Tel. +49 (0) 3302 883 608
cdx.de.info@thermofisher.com

Hong Kong
Tel. +852 3107 7600
sales.hk@thermofisher.com

Italy
distributor.cdd@thermofisher.com

Japan
Tel. +81 (0) 120 489 211
JPYOK-CDD.QC@thermofisher.com

Netherlands & Belgium (Flemish)
Tel. +49 3302 883 660
Info.benelux.cdd@thermofisher.com

New Zealand
Tel. +61 0800933 966
nzinfo@thermofisher.co.nz

Nordic
Tel. +46 8 594 691 30
info.nordic.cdd@thermofisher.com

South Africa
Tel. +27 11 792 6790
support-za.idd@thermofisher.com

Spain & Portugal (Iberia)
Tel. +34 93589 8338
CDD.Info.ES@thermofisher.com

Switzerland & Austria
Tel. +41 26 663 86 70
cdx.ch.info@thermofisher.com

United Kingdom & Ireland
Tel. +44 1442 868 940
cdx.UK.info@thermofisher.com

For Countries Not Listed
distributor.cdd@thermofisher.com

Learn more at **thermofisher.com/acrometrix**