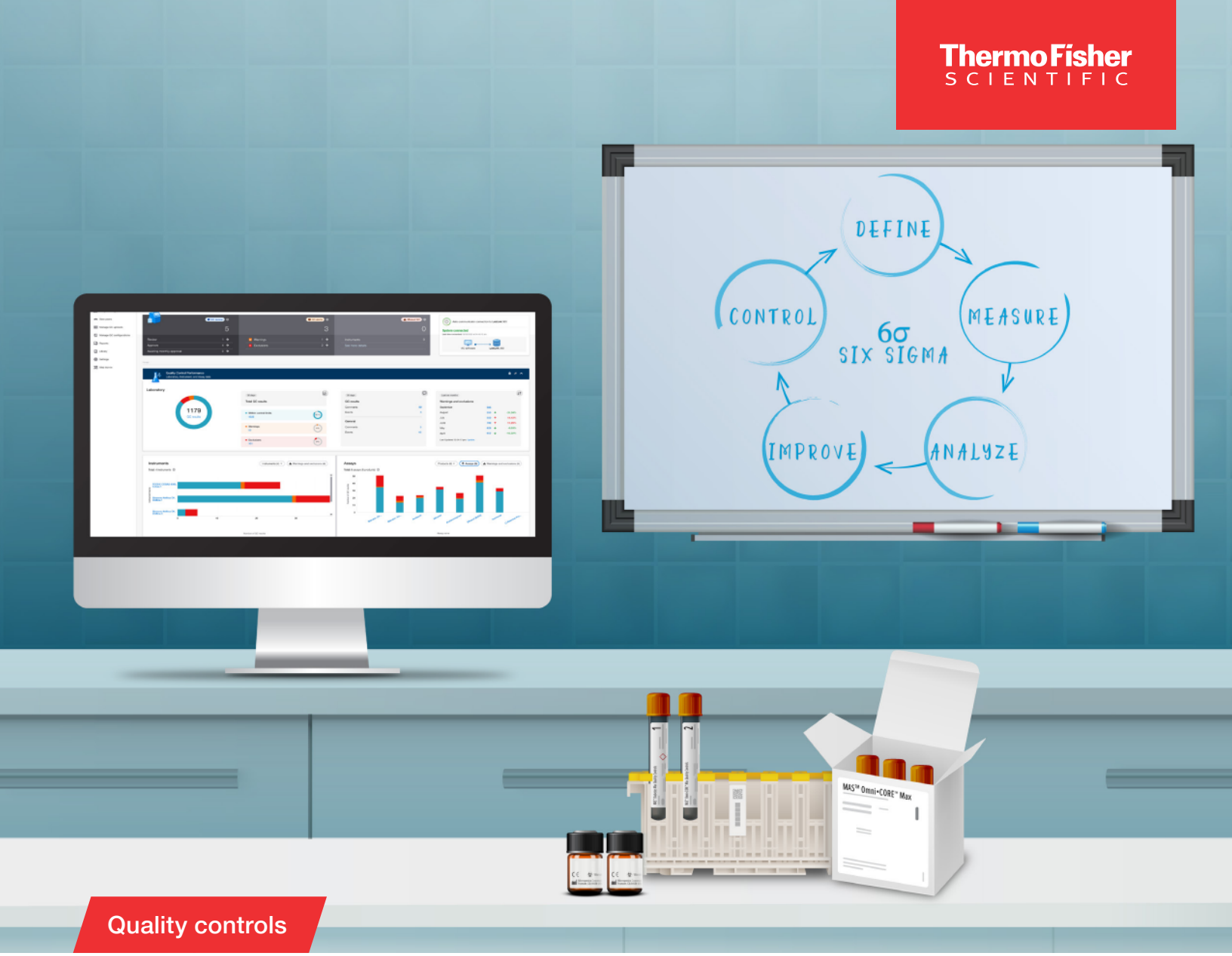


Quality controls

Do more with Thermo Scientific quality control solutions

Thermo Scientific MAS quality controls

Thermo Scientific LabLink 360 quality assurance software

Thermo Scientific AcroMetrix molecular quality controls and standards

North America Catalog

thermo scientific

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Ensuring precise and efficient quality control

The **Thermo Scientific™ MAS™ quality controls** portfolio offers unique tools to address the challenges laboratories commonly face. From rising costs to limited floor and storage space to the number of steps and controls your processes require to the importance of validation and quality—we understand your need for leaner, faster solutions.

The MAS quality controls portfolio provides a range of solutions designed to help you optimize your QC management without sacrificing performance.

30-day open-vial stability*

reduces waster by extending your window of opportunity to use the product

3-5 year lot shelf life**

Industry-leading shelf life limits the frequency of lot-to-lot validation.

Ready to use straight from refrigeration

Stores safely in standard freezer or refrigerator† eliminating the need for an expensive and energy-consuming deep freezer.

Versatile and complete

Assayed for the most common platforms.

Why use third-party controls?

	Third-party controls Independent external controls		**Kit controls** Supplier controls, internal controls, dependent controls
✓	Bias-free performance monitoring → not optimized for specific reagents or analyzers	⊖	Developed for specific reagents or analyzers
✓	Matrix of human origin → best mimics the behavior of a patient sample	⊖	Produced from the same raw material as the calibrators → less sensitive to small performance variations
✓	Minimal variations with new lots of QC	⊖	Variations with each new batch of reagents
✓	Long expiration and availability of the same batch of third-party QC (years)	⊖	A new reagent batch = a new control batch
✓	Extensive value assignment: cross-platform monitoring	⊖	No value assignment except those of the reagent supplier

* Up to 5 years lot shelf life for some references
** Most MAS QC are stored either at -25C / -15C or in standard refrigeration temperatures
† Always refer to the package insert for details on claims and stability

Thermo Scientific MAS

Omni consolidated controls



MAS Omni•CARDIO

Thermo Scientific™ MAS™ Omni•CARDIO™ controls consolidate a comprehensive cardiac marker panel with the new generation of STAT analytes including D-Dimer, hCG, Myeloperoxidase and Procalcitonin.

Part Number	Level	Size	Storage & Stability	Matrix
OCRD-UL	Ultra Low	6 x 3 mL	36 months @ –25ºC to –15ºC from date of manufacture 15 days @ 2ºC to 8ºC (for ß-HCG, BNP-32, CK-MB, D-Dimer, Digitoxin, hCG, hsCRP, Myeloperoxidase, Procalcitonin, Total CK and Troponin-T) 10 days @ 2ºC to 8ºC (for Myoglobin and NT-proBNP) 5-15 days @ 2ºC to 8ºC (for Troponin I)	Liquid human serum
OCRD-L	Low			
OCRD-101	1			
OCRD-202	2			
OCRD-303	3			
OCRD-MP	Tri-Level, Multi-Pack (2 vials each level 1/2/3)			

Analytes

Brain Natriuretic Peptide-32 (BNP-32)
Copeptin*
Creatine Kinase MB (CK-MB)
D-Dimer
Digitoxin
Homocysteine*
Human Chorionic Gonadotropin (hCG)
Beta Human Chorionic Gonadotropin (Beta-HCG)
High Sensitivity C-Reactive Protein (hsCRP)
Myeloperoxidase (MPO)
Myoglobin
N-Terminal Brain Natriuretic Peptide (NT-proBNP)
Procalcitonin (PCT)
Total Creatinine Kinase (Total CK)
Troponin I
Troponin T

Introducing MAS Max tubes

Choose from traditional bottles or load-and-go conveniencewith MAS™ Max tubes.

Streamlined workflow. Time-saving load-and-go tubes are ready to use straight from refrigeration.

Confidence. Load-and-go tubes eliminate manual pour-off to decrease the risk of handling errors.

Automated QC. Barcoded** labels streamline programming and identification for traceability every step of the process.



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**Barcodes available for select instruments



MAS Omni•CORE II and MAS Omni•CORE Max

Thermo Scientific™ MAS™ Omni•CORE™ II controls consolidate general chemistry and serum protein QC processing into a single product, offering three distinct levels. Also available in Max tube format for easy load-and-go QC.

Product	Part Number	Level	Size	Storage & Stability	Matrix
MAS Omni•CORE II	OCRL-101	1	6 x 5 mL	36 month shelf life @ –25°C to –15°C from date of manufacture** 30 days open-vial @ 2°C to 8°C (Bilirubin is 15 days open-vial @ 2°C to 8°C)	Liquid human serum
	OCRL-202	2			
	OCRL-303	3			
MAS Omni•CORE Max	OCRM-101	1	12 x 4 mL		
	OCRM-202	2			
	OCRM-303	3			

Analytes

General Chemistry
Albumin
Alkaline Phosphatase (ALT/GPT)
Alanine Aminotransferase (ALT)
Amylase
Amylase (Pancreatic)*
Aspartate Aminotransferase (AST/GOT)
Bile Acids*
Bilirubin, Conjugated
Bilirubin, Direct (DBIL)
Bilirubin, Neonatal
Bilirubin, Total (TBIL)
Bilirubin, Unconjugated
Blood Urea Nitrogen (BUN)
Calcium
Carbon Dioxide (CO_2)
Chloride
Cholesterol
Cholesterol, HDL
Cholesterol, LDL
Copper*
Creatine Kinase (CK)
Creatinine
Gamma-Glutamyl Transferase (GGT)
Glucose
Lactate Dehydrogenase (LDH)
Lactic Acid
Lipase
Magnesium
Osmolality
Phosphorus
Potassium
Pseudocholinesterase (PCHE)
Sodium
Total Protein
Triglycerides
Uric Acid
Zinc

TDM/Toxicology Tests
Acetaminophen
Amikacin
Caffeine
Carbamazepine
Digoxin
Disopyramide
Ethanol
Ethosuximide
Gentamicin
Lidocaine
Lithium
Methotrexate
N-acetylprocainamide (NAPA)
Phenobarbital
Phenytoin
Primidone
Procainamide
Quinidine
Salicylate
Theophylline
Tobramycin
Tricyclic Antidepressants (TCA)
Valproic Acid
Vancomycin

Anemia/Iron Deficiency Tests
Ferritin
Iron
Iron Binding Capacity (IBC)
Iron Binding Capacity, Total (TIBC)
Iron Binding Capacity, Unsaturated (UIBC)
Transferrin*

Thyroid Function Tests
Thyroxine, Total (TT4)
Thyroid-Stimulating Hormone (TSH)
Thyroid Uptake (T-Uptake)

Endocrine/Hormone Tests
Cortisol

Allergy Tests
Immunoglobulin E (IgE)

Serum Proteins/Serology Tests
Alpha-1-Acid Glycoprotein (AAG)*
Alpha-1-Antitrypsin (AAT)*
Alpha-2-Macroglobulin (AMG)*
Antistreptolysin O (ASO)
Apolipoprotein A1 (APO A)*
Apolipoprotein B (APO B)*
Beta-2-Microglobulin
C3 Complement*
C4 Complement*
Ceruloplasmin (CER)*
C-Reactive Protein (CRP)
Haptoglobin*
Immunoglobulin A (IgA)*
Immunoglobulin G (IgG)*
Immunoglobulin M (IgM)
Lipoprotein A (Lp(a))*
Prealbumin
Rheumatoid Factor (RF)

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**Refer to product package insert for details regarding claims and stability.

Thermo Scientific MAS

Omni consolidated controls

MAS Omni•IMMUNE and MAS Omni•IMMUNE Max

Thermo Scientific™ MAS™ Omni•IMMUNE™ controls provide consolidation for routine immunoassay, tumor marker and specialty immunoassay QC processing into a single product, offering three distinct levels. Also available in Max tube format for easy load-and-go QC.

48 months
lot shelf life*

Product	Part Number	Level	Size	Storage & Stability	Matrix
MAS Omni•IMMUNE	OIM-101	1	6 x 5 mL	48 month shelf life @ –25ºC to –15ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum
	OIM-202	2			
	OIM--303	3			
MAS Omni•IMMUNE Max	OIMM-101	1	12 x 4 mL		
	OIMM-202	2			
	OIMM-303	3			

MAS Omni•IMMUNE PRO and MAS Omni•IMMUNE PRO Max

Thermo Scientific™ MAS™ Omni•IMMUNE PRO™ controls provide Anti-Thyroglobulin (Anti-Tg), Anti-Thyroid Peroxidase (Anti-TPO) and Sex Hormone Binding Globulin (SHBG) in addition to the same analyte panel provided in the MAS Omni•IMMUNE product. Also available in Max tube format for easy load-and-go QC.

MAS Omni•IMMUNE PRO	OPRO-101	1	6 x 5 mL	48 month shelf life @ –25ºC to –15ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum
	OPRO-202	2			
	OPRO-303	3			
MAS Omni•IMMUNE PRO Max	OPROM-101	1	12 x 4 mL		
	OPROM-202	2			
	OPROM-303	3			

Dropper Tips - Pkg 100 - MAS P/N 286-606

*Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status. Product with four-year shelf life not available in all countries due to product registration.

Analytes

New Specialty Tests
25-Hydroxy Vitamin D
Anti-Thyroglobulin (Anti-Tg) **(PRO)**
Anti-Thyroid Peroxidase (Anti-TPO) **(PRO)**
C-Peptide
Estriol, Free
Fructosamine*
IGF-1 (insulin-like growth factor 1)
Phenytoin, Free
Pregnancy Associated Plasma Protein A (PAPP-A)*
Procalcitonin (PCT)
Parathyroid Hormone (PTH)
Sex Hormone-Binding Globulin (SHBG) **(PRO)**
Thyroxine-Binding Globulin (TBG)
Valproic Acid, Free

TDM/Toxicology Tests
Acetaminophen
Amikacin
Benzodiazepine (Nordiazepam)
Carbamazepine
Digoxin
Disopyramide
Ethosuximide
Gentamicin
Lidocaine
Lithium
N-acetylprocainamide (NAPA)
Phenobarbital
Phenytoin
Primidone
Procainamide
Quinidine
Salicylate
Theophylline
Tobramycin
Tricyclic Antidepressants (TCA)
Valproic Acid
Vancomycin

Thyroid Function Tests
Triiodothyronine, Free (FT3)
Triiodothyronine, Total (TT3)
Thyroxine, Free (FT4)
Thyroxine, Total (TT4)
Thyroglobulin
Thyroid-Stimulating Hormone (TSH)
Thyroid Uptake (T-Uptake)

Tumor Marker Tests
Adrenocorticotropic Hormone (ACTH)
Beta-2-microglobulin
CA 125
CA 15-3
CA 19-9
Carcinoembryonic Antigen (CEA)
Gastrin
Prostatic Acid Phosphatase (PAP)
Prostate Specific Antigen, Free (FPSA)
Prostate Specific Antigen, Total (TPSA)

Reproductive/Fertility Tests
17-alpha-OH-progesterone
Alpha-fetoprotein
Estradiol
Follicle Stimulating Hormone (FSH)
Human Chorionic Gonadotropin (hCG)
Beta Human Chorionic Gonadotropin (β-hCG)
Leuteinizing Hormone (LH)
Progesterone
Prolactin
Testosterone

Endocrine/Hormone Tests
Aldosterone
Calcitonin*†
Cortisol
DHEA Sulfate
Growth Hormone
Insulin*†

Cardiac Tests
Homocysteine

Anemia/Iron Deficiency Tests
Ferritin
Folate (vitamin B9)
Vitamin B12

Allergy Tests
Immunoglobulin E (IgE)

Streamline your workflow

Consolidate multiple QC products, from eight competitor controls to three Omni controls.



Dropper Tips - Pkg 100 - MAS P/N 286-606

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†Only available in MAS Omni•IMMUNE Max and MAS Omni•IMMUNe PRO Max

Thermo Scientific MAS

Serum chemistry controls



MAS chemTRAK•H

Thermo Scientific™ MAS™ chemTRAK™•H controls are comprehensive multi-analyte controls, designed to monitor general chemistry and TDM methods. Available in an assayed or unassayed format. Assayed values are available for most major platforms.

Part Number	Level	Size	Storage & Stability*	Matrix
CHA-1	1	6 x 5 mL assayed	30 month shelf life @ –25ºC to –15ºC from date of manufacture 14 days open-vial @ 2ºC to 8ºC; unassayed 7 days open-vial @ 2ºC to 8ºC; assayed	Liquid human serum
CHA-2	2			
CHA-3	3			
CHU-1	1	10 x 15 mL unassayed		
CHU-2	2			
CHU-3	3			

Analytes

Acetaminophen
Alanine Aminotransferase (ALT)
Albumin
Alkaline Phosphatase
Amikacin
Amylase
Amylase (Pancreatic)
Apolipoprotein A
Apolipoprotein B
Aspartate Aminotransferase (AST)
Bilirubin, Unconjugated
Bilirubin, Conjugated
Bilirubin, Direct (DBIL)
Bilirubin, Neonatal
Bilirubin, Total (TBIL)
Blood Urea Nitrogen (BUN)
C3 Complement*
C4 Complement*
Caffeine
Calcium
Carbamazepine
Carbon Dioxide (CO_2)
Chloride
Cholesterol
Creatine Kinase (CK)
Creatinine
Digoxin
Disopyramide
Ethanol
Ethosuximide
Ferritin*
Gamma-Glutamyl Transferase
Gentamicin
GLDH*
Glucose
Haptoglobin*
HBDH*
HDL Cholesterol
Immunoglobulin A (IgA)*
Immunoglobulin G (IgG)*
Immunoglobulin M (IgM)*
Iron
Iron Binding Capacity, Total (TIBC)
Iron Binding Capacity, Unsaturated (UIBC)*
Lactate Dehydrogenase (LD)
Lactic Acid
LDL Cholesterol
Lidocaine
Lipase
Lipoprotein (a)
Lithium
Magnesium
Methotrexate
N-acetylprocainamide (NAPA)
Osmolality
Phenobarbital
Phenytoin
Phosphorus
Potassium
Prealbumin
Primidone
Procainamide
Pseudocholinesterase
Quinidine
Salicylate
Sodium
Theophylline
Thyroid Stimulating Hormone
Thyroid Uptake (T-Uptake)
Thyroxine, Free (FT4)*
Thyroxine, Total (TT4)
Tobramycin
Total Protein
Transferrin*
Tricyclic Antidepressants
Triglycerides
Triiodthyronine, Free (FT3)*
Triiodthyronine, Total (TT3)*
Uric Acid
Valproic Acid
Vancomycin

Dropper Tips - Pkg 100 - MAS P/N 286-606

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Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.





MAS Alcohol/Ammonia

An assayed, bi-level control for monitoring ethanol and ammonia levels in serum. Normal Ammonia values in Level 1.

Analytes

Ammonia
Ethanol

Part Number	Level	Size	Storage & Stability	Matrix
AAC-MP	Bi-level, Multi-Pack	3 bottles per level, 6 x 3.5 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum

MAS Bilirubin

This assayed, tri-level control has been designed to monitor the performance of total, direct, conjugated, unconjugated and neonatal bilirubin. An elevated Bilirubin is included in level 3 for neonatal applications.

Analytes

Bilirubin, Conjugated
Bilirubin, Direct (DBIL)
Bilirubin, Neonatal
Bilirubin, Total (TBIL)
Bilirubin, Unconjugated

Part Number	Level	Size	Storage & Stability	Matrix
BC101	1	6 x 5 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 14 days open-vial @ 2ºC to 8ºC when stored in the dark	Liquid bovine serum
BC102	2			
BC103	3			

Dropper Tips - Pkg 100 - MAS P/N 286-606

Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.

Thermo Scientific MAS

Urine chemistry controls



MAS UA Control

A bi-level control with improved room temperature storage capability. This urine control was designed for monitoring urine dipstick and microscopic components.

Part Number	Level	Size	Storage & Stability	Matrix
UAB-115	1 (normal)	6 x 15 mL	24 month shelf life @ 2°C to 8°C from date of manufacture Open-vial: Refrigerated 3 months @ 2°C to 8°C	Liquid human urine
UAB-160		4 x 60 mL		
UAB-215	2 (abnormal)	6 x 15 mL		
UAB-260		4 x 60 mL		
UAB-MP	Bi-level, Multi-Pack	6 x 15 mL	Room temperature 6 weeks @ 18°C to 25°C	

Analytes

- Bilirubin
- Blood
- Creatinine
- Crystals
- Glucose
- Human Chorionic Gonadotropin (hCG)
- Ketones
- Leukocyte Esterase
- Microalbumin
- Nitrite
- Osmolality
- pH
- Potassium
- Protein
- Red Blood Cells
- Sodium
- Specific Gravity
- Urobilinogen
- White Blood Cells

MAS UA DipTube

MAS UA product packed into convenient dip tubes to simplify manual testing of urinalysis strips.

Part Number	Level	Size	Storage & Stability	Matrix
UAT-MP	Bi-level, Multi-Pack	5 tubes per level, 10 x 12 mL	24 month shelf life @ 2°C to 8°C from date of manufacture Open-vial: Refrigerated 8 weeks or 20 dips @ 2°C to 8°C Room temp 2 weeks or 10 dips @ 18°C to 30°C	Liquid human urine

Analytes

- Bilirubin
- Blood
- Creatinine
- Crystals
- Glucose
- Human Chorionic Gonadotropin (hCG)
- Ketones
- Leukocyte Esterase
- Microalbumin
- Nitrite
- Osmolality
- pH
- Potassium
- Protein
- Red Blood Cells
- Sodium
- Specific Gravity
- Urobilinogen
- White Blood Cells

MAS Urinalysis

A bi-level urine control designed for monitoring urine dipstick and microscopic components.

Part Number	Level	Size	Storage & Stability	Matrix
024222	1 (abnormal)	4 x 15 mL	12 month shelf life @ 2°C to 8°C from date of manufacture 30 days open-vial @ 2°C to 8°C	Liquid human urine
024225		4 x 60 mL		
024224	3 (normal)	4 x 15 mL	18 month shelf life @ 2°C to 8°C from date of manufacture 30 days open-vial @ 2°C to 8°C	
024227		4 x 60 mL		

Dropper Tips - Pkg 100 - MAS P/N 286-606

Analytes

- Bilirubin
- Blood
- Creatinine
- Crystals
- Glucose
- Human Chorionic Gonadotropin (hCG)
- Ketones
- Leukocyte Esterase
- Microalbumin
- Nitrite
- Osmolality
- pH
- Potassium
- Protein
- Red Blood Cells
- Sodium
- Specific Gravity
- Urobilinogen
- White Blood Cells

Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.







Sentry Urine Dipstick Control*

Ideal for use outside the clinical laboratory where refrigerated storage isn't always available. The Thermo Scientific™ MAS™ Sentry Urine Dipstick Control offers 12 months of room temperature stability for an immediate, ready-to-use urinalysis strip control. Suitable for Multistix, Chemstrips, Diascreen and other urinalysis strips as well as automated strip readers. Supplied in two levels, normal and abnormal.

Part Number	Level	Size	Storage & Stability	Matrix
URN5005	Bi-level, Multi-Pack	2 bottles per level, 4 x 25 mL	18 month shelf life @ 2ºC to 8ºC from date of manufacture 12 month open-vial @ room temperature	Liquid synthetic

Analytes

Bilirubin
Blood
Glucose
Human Chorionic Gonadotropin (hCG)
Leukocytes
Ketones
Microalbumin
Nitrite
pH
Protein
Specific Gravity
Urobilinogen

MAS UrichemTRAK

Thermo Scientific™ MAS™ UrichemTRAK™ controls are designed to quantitatively monitor the most commonly tested urine chemistry analytes. The non-azide formulation will not interfere with ISEs.

Part Number	Level	Size	Storage & Stability	Matrix
UR11001	1	6 x 15 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture	Liquid human urine
UR22002	2			
UR-MP	Bi-level, Multi-Pack			

Analytes

Amylase
Calcium
Chloride
Cortisol
Creatinine
Glucose
Human Chorionic Gonadotropin (hCG)
Magnesium
Microalbumin
Osmolality
pH
Phosphorus
Potassium
Sodium
Specific Gravity
Total Protein
Urea Nitrogen
Uric Acid

Dropper Tips - Pkg 100 - MAS P/N 286-606

*Product is not CE marked and is available for sale outside the US.

Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.

Thermo Scientific MAS

Immunoassay controls







60 months
lot shelf life

MAS Liquimmune

Thermo Scientific™ MAS™ Liquimmune™ Immunoassay controls are multi-analyte controls that provide coverage of fertility, thyroid, iron deficiency, endocrine and allergy parameters. Assayed values are provided for major instrument systems.

Part Number	Level	Size	Storage & Stability	Matrix
LIG-101	1	6 x 5 mL	60 month shelf life @ –25ºC to –15ºC from date of manufacture 90 days unopened @ 2ºC to 8ºC 30 days open-vial @ 2ºC to 8ºC	Liquid human serum
LIG-202	2			
LIG-303	3			

Analytes

17-a-OH-Progesterone
Acetaminophen
Aldosterone
Alpha-Fetoprotein (AFP)
Amikacin
Carbamazepine
Carcinoembryonic Antigen (CEA)
CK-MB (activity)
CK-MB (mass)
Cortisol
DHEA-Sulfate
Digoxin
Disopyramide
Estradiol
Ethosuximide
Ferritin
Folate
Follicle Stimulating Hormone (FSH)
Gentamicin
Homocysteine
Human Chorionic Gonadotropin (beta-hCG)
Human Chorionic Gonadotropin (hCG)
Human Growth Hormone
Immunoglobulin A (IgA)*
Immunoglobulin E (IgE)
Immunoglobulin G (IgG)*
Immunoglobulin M (IgM)*
Insulin
Lidocaine
Lithium
Luteinizing Hormone (LH)
N-acetylprocainamide (NAPA)
Phenobarbital
Phenytoin
Primidone
Procainamide
Progesterone
Prolactin
Prostate Specific Antigen, Total (TPSA)
Prostate Specific Antigen, Free (FPSA)
Quinidine
Salicylate
Testosterone
Theophylline
Thyroglobulin
Thyroid Stimulating Hormone (TSH)
Thyroid Uptake (T-Uptake)
Thyroxine, Free (FT4)
Thyroxine, Total (TT4)
Tobramycin
Tricyclic Antidepressants
Triiodthyronine, Free (FT3)
Triiodthyronine, Total (TT3)
Valproic Acid
Vancomycin
Vitamin B12

Dropper Tips - Pkg 100 - MAS P/N 286-606

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MAS PAR TDM

The Thermo Scientific™ MAS™ PAR™ TDM Control is designed for therapeutic drugs and common immunoassay test procedures on most automated instruments.

Part Number	Level	Size	Storage & Stability	Matrix
PTD1-1001	1	6 x 5 mL	36 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid bovine serum
PTD2-2002	2			
PTD3-3003	3			

Analytes

Acetaminophen
Amikacin
Caffeine*
Carbamazepine
Digoxin
Disopyramide
Estriol*
Ethanol
Ethosuximide
Gentamicin
Lidocaine
Lithium
Methotrexate
N-acetylprocainamide (NAPA)
Phenobarbital
Phenytoin
Primidone
Procainamide
Quinidine
Salicylate
Theophylline
Thyroid Stimulating Hormone (TSH)
Thyroxine, Total (TT4)
Tobramycin
Tricyclic Antidepressants
Triiodthyronine, Total (TT3)
Valproic Acid
Vancomycin

MAS T-Marker

59 months
lot shelf life*

This multi-analyte control is designed to monitor performance of various cancer antigen tests.

Part Number	Level	Size	Storage & Stability	Matrix
TUM-101	1	6 x 3 mL	59 month shelf life @ –25ºC to –15ºC from date of manufacture 90 days unopened @ 2ºC to 8ºC 30 days open-vial @ 2ºC to 8ºC	Liquid human serum
TUM-202	2			
TUM-303	3			

*Product with 59 month shelf life, not available in all countries due to product registration.

Analytes

ACTH*
Aldosterone
Alpha-Fetoprotein (AFP)
Beta Human Chorionic Gonadotroopin (beta-hCG)
Beta-2-Microglobulin
CA 125
CA 15-3
CA 19-9
CA 27-29
CA 72-4
Calcitonin
Carcinoembryonic Antigen (CEA)
Cortisol
CyFRA 21-1**
Estradiol
Ferritin
Gastrin
Human Chorionic Gonadotroopin (hCG)
Insulin
NSE**
Prolactin
Prostate Specific Antigen, Total (TPSA)
Prostate Specific Antigen, Free (FPSA)
Prostatic Acid Phosphatase (PAP)
Thyroglobulin

Dropper Tips - Pkg 100 - MAS P/N 286-606

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Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.
**Not cleared by FDA.

Thermo Scientific MAS

Cardiac & diabetes controls



MAS CardioImmune•XL

The Thermo Scientific™ MAS™ CardioImmune™•XL Multi-Analyte Control is designed to monitor serum cardiac marker test methods.

Part Number	Level	Size	Storage & Stability	Matrix
CAI-XLL	L	6 x 3 mL	36 month shelf life @ –25ºC to –15ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC (for hsCRP, Digitoxin, Troponin I and Homocysteine) 15 days open-vial @ 2ºC to 8ºC for BNP 32, Myoglobin (when a dropper tip is used), NT-proBNP, Troponin T, CK-MB	Liquid human serum
CAI-XL1	1			
CAI-XL2	2			
CAI-XL3	3			
CAI-XL4	Tri-level, Multi-Pack			

Analytes

BNP 32
CK-MB
Digitoxin
Homocysteine
C-Reactive Protein high sensitivity (hs-CRP)
Myoglobin
NT-pro BNP
Troponin I
Troponin T

MAS CardioImmune Ultra Low

A single analyte control designed to challenge the next generation high sensitivity Troponin assays.

Part Number	Level	Size	Storage & Stability	Matrix
CAI-UL	UL	6 x 3 mL	36 month shelf life @ –25ºC to –15ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum

Analytes

Troponin I

Dropper Tips - Pkg 100 - MAS P/N 286-606

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MAS Diabetes

This liquid assayed diabetes control is a bi-level control designed to monitor hemoglobin A1c methods. Also available in Max tube format for easy load-and-go QC.

Analytes

Hemoglobin A1c (HbA1c)

Product	Part Number	Level	Size	Storage & Stability	Matrix
MAS Diabetes	DBCL-MP	Bi-level, Multi-Pack	3 bottles per level, 6 x 1 mL	24 month shelf life @ –25ºC to –15ºC from date of manufacture 60 days unopened @ 2ºC to 8ºC 30 days open-vial @ 2ºC to 8ºC	Liquid human whole blood
MAS Diabetes Max	B40000687		3 tubes per level, 6 x 2 mL		



Thermo Scientific MAS

Immunology & protein controls



MAS Immunology

This multi-analyte immunology control is designed to monitor the performance of various serum protein test procedures including Antistreptolysin O, C-Reactive Protein, Prealbumin and Rheumatoid Factor.

Part Number	Level	Size	Storage & Stability	Matrix
IC-101	1	6 x 3 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum
IC-202	2			
IC-303	3			

Analytes

ADNase*†	C1 - Inhibitor*†	IgG Subclass 1*†	Lambda Light Chain*
Albumin	C3 Complement	IgG Subclass 2*†	Lambda Light Chain Free*†
Alpha-1-Acid-Glycoprotein	C4 Complement	IgG Subclass 3*†	Prealbumin
Alpha-1-Antitrypsin	CCP*†	IgG Subclass 4*†	Properdin Factor B*
Alpha-2-Macroglobulin	CDT*†	Immunoglobulin A (IgA)	Retinol Binding Protein*†
Antistreptolysin O	Ceruloplasmin	Immunoglobulin E (IgE)	Rheumatoid Factor (RF)
Antithrombin III*	C-Reactive Protein (CRP)	Immunoglobulin G (IgG)	SAA*†
Apolipoprotein A-1*†	Ferritin†	Immunoglobulin M (IgM)	sTRF*†
Apolipoprotein B*†	Haptoglobin	Kappa Light Chain*	Total Protein
Beta-2-Microglobulin	Homocysteine*†	Kappa Light Chain Free*†	Transferrin

MAS CSF

This control is designed to monitor the performance of quantitative and manual chemical analysis of human cerebrospinal fluid. Multiple oligoclonal bands are present in Level 2.

Part Number	Level	Size	Storage & Stability	Matrix
CSF-MP	Bi-level, Multi-Pack	3 bottles per level, 6 x 3.5 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum

Analytes

Albumin	Immunoglobulin A (IgA)*	Lactic Acid	Total Protein
Chloride	Immunoglobulin G (IgG)*	Potassium	
Glucose	Immunoglobulin M (IgM)*	Prealbumin	
Glutamine	Lactate Dehydrogenase (LDH)	Sodium	

Dropper Tips - Pkg 100 - MAS P/N 286-606

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Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.

Thermo Scientific MAS

Toxicology controls



MAS DOA TOTAL

This multi-constituent urine toxicology control offers 19 analytes with 4 distinct levels at drug concentrations 25% below and above commonly used screening and SAMHSA* cutoffs. A drug-free level and high positive level are also available (6 levels total).

Part Number	Level	Size	Storage & Stability	Matrix
DOAT-1	1	6 x 18 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human urine
DOAT-2	2			
DOAT-3	3			
DOAT-4	4			
DOAT-5	5			
DOAT-6	6			
DOAT-MP	Multi-Pack	1 bottle per level, 18 mL each		

Analytes

11-nor-9-COOH-D9-THC	Methaqualone
Benzoylecgonine	Morphine, free
Buprenorphine	Nitrazepam
Cotinine	Nortriptyline
d-Methamphetamine	Oxazepam
EDDP	Oxycodone
Ethanol	Phencyclidine
Ethyl Glucuronide	Propoxyphene
LSD	Secobarbital
Methadone	

MAS TOX Control

This multi-analyte control is designed to monitor the performance of immunoassays for the semi-quantitative measurement of barbiturates, benzodiazepine and tricyclic antidepressants in either serum or plasma.

Part Number	Level	Size	Storage & Stability	Matrix
10011608	Multi-Pack 3 levels	2 bottles per level, 6 x 5 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 20 days open-vial @ 2ºC to 8ºC	Liquid bovine plasma

Analytes

Barbiturate (Secobarbital)
Benzodiazepine (Diazepam)
Tricyclic Antidepressants (Nortriptyline)
(for use with DRI Method Serum Tox Reagents)

Dropper Tips - Pkg 100 - MAS P/N 286-606

*Substance Abuse and Mental Health Services Administration (SAMHSA) www.samhsa.gov.
Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.

Thermo Scientific MAS

Serological infectious disease controls

MAS Omni•Infectious BSI Positive Control Panel

The Blood Stream Infection (BSI) Positive Control Panel is a multi analyte quality control used for the independent monitoring of the analytical performance of IVD serology test systems.

Part Number	Size	Storage & Stability	Matrix
10027480	5 x 5 mL	13 month shelf life @ 2ºC to 8ºC from date of manufacture 60 days open-vial @ 2ºC to 8ºC	Liquid human serum

Analytes

Anti-HIV 1/2
Anti-HTLV I/II
HBsAg
Anti-HBc
Anti-HCV

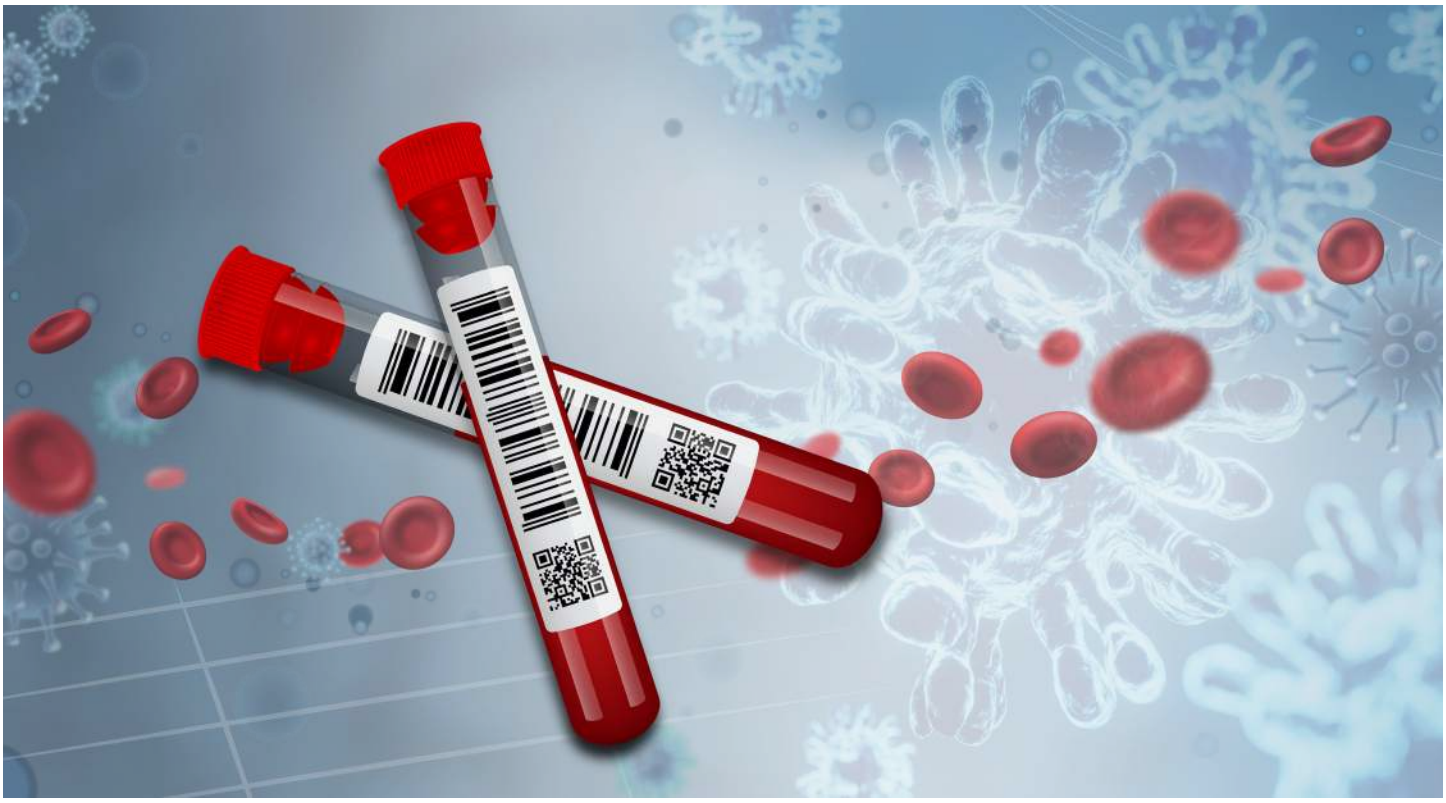
MAS Infectious Negative Control

Thermo Scientific™ MAS™ Infectious Negative Control is an independent unassayed control used in the clinical laboratory for both manual testing and on automated test platforms.

Part Number	Size	Storage & Stability	Matrix
10027484	10 x 5 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 60 days open-vial @ 2ºC to 8ºC	Liquid human serum

Analytes

Anti-HIV 1/2
Anti-HTLV I/II
HBsAg
Anti-HBs
Anti-HBc
Anti-HCV
Anti-TP





MAS HIV p24 Positive Control

Thermo Scientific™ MAS™ HIV p24 Positive Control is used to assess the performance of serological assays that detect HIV p24 antigen in the clinical laboratory.

Analytes

HIV p24

Part Number	Size	Storage & Stability	Matrix
10027481	5 x 5 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum

MAS anti-HBs Positive Control

Thermo Scientific™ MAS™ anti-HBs Positive Control is used to assess the performance of serological assays that detect antibodies to Hepatitis B Surface Antigen.

Analytes

anti-HBs

Part Number	Size	Storage & Stability	Matrix
10027482	5 x 1 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum

MAS Syphilis Positive Control

Thermo Scientific™ MAS™ Syphilis Positive Control is used to assess the performance of serological assays that detect antibody against Treponema pallidum, the etiological agent for syphilis.

Analytes

anti-TP (Syphilis)

Part Number	Size	Storage & Stability	Matrix
10027483	5 x 1 mL	18 month shelf life @ 2ºC to 8ºC from date of manufacture 30 days open-vial @ 2ºC to 8ºC	Liquid human serum

Thermo Scientific MAS

Quality control solutions for Vista

Thermo Scientific MAS quality control products are available in vials specifically designed for use with the Siemens™ Dimension Vista™ instrumentation. Fully validated onboard QC stability claims and value assignments provide assurance that long-term quality is maintained when performing routine quality control on the Dimension Vista instrument.



MAS Alcohol/Ammonia

Part Number	Level	Size	Storage & Stability	Matrix
10014443	Bi-level, Multi-Pack	3 bottles per level, 6 x 2 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 7 days onboard instrument	Liquid human serum

Analytes

Ammonia
Ethanol

MAS CardioImmune•XL

Part Number	Level	Size	Storage & Stability	Matrix
10014179	L	6 x 2 mL	36 month shelf life @ –25ºC to –15ºC from date of manufacture 7 days onboard instrument	Liquid human serum
10014180	1			
10014181	3			
10014182	3			

Analytes

C-Reactive Protein high sensitivity (hsCRP)
CK-MB
Digitoxin
Homocysteine
Myoglobin
NT-pro BNP
Troponin I

Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.



MAS chemTRAK•H

Part Number	Level	Size	Storage & Stability	Matrix
10014150	1	6 x 2 mL	30 month shelf life @ –25ºC to –15ºC from date of manufacture 7 days onboard instrument	Liquid human serum
10014151	2			
10014152	3			

Analytes

Acetaminophen	Cholesterol	Lactic Acid	Thyroid Stimulating Hormone (TSH)
Alanine Aminotransferase (ALT)	Creatine Kinase (CK)	LDL Cholesterol	Thyroid Uptake (T-Uptake)
Albumin	Creatinine	Lidocaine	Thyroxine, Free (FT4)*
Alkaline Phosphatase	Digoxin	Lipase	Thyroxine, Total (TT4)
Amylase	Ethanol	Lithium	Tobramycin
Apolipoprotein A	Ferritin*	Magnesium	Total Protein
Apolipoprotein B	Gamma-Glutamyl Transferase (GGT)	N-acetylprocainamide (NAPA)	Transferrin*
Aspartate Aminotransferase (AST)	Gentamicin	Phenobarbital	Tricyclic Antidepressants
Bilirubin Direct (DBIL)	Glucose	Phenytoin	Triglycerides
Bilirubin Total (TBIL)	Haptoglobin	Phosphorus	Triiodthyronine, Free (FT3)*
Blood Urea Nitrogen (BUN)	HDL Cholesterol	Potassium	Triiodthyronine, Total (TT3)*
C3 Complement*	Immunoglobulin A (IgA)*	Prealbumin	Uric Acid
C4 Complement*	Immunoglobulin G (IgG)*	Procainamide	Valproic Acid
Calcium	Immunoglobulin M (IgM)*	Pseudocholinesterase	Vancomycin
Carbamazepine	Iron	Salicylate	
Carbon Dioxide (CO_2)	Iron Binding Capacity, Total (TIBC)	Sodium	
Chloride	Lactate Dehydrogenase (LD)	Theophylline	

MAS CSF

Part Number	Level	Size	Storage & Stability	Matrix
10014444	Bi-level, Multi-Pack	3 bottles per level, 6 x 2 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 7 days onboard instrument	Liquid human serum

Analytes

Albumin	Immunoglobulin A (IgA)*	Lactate Dehydrogenase (LD)	Prealbumin
Chloride	Immunoglobulin G (IgG)*	Lactic Acid	Sodium
Glucose	Immunoglobulin M (IgM)*	Potassium	Total Protein

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Thermo Scientific MAS

Quality control solutions for Vista



MAS Immunology

Part Number	Level	Size	Storage & Stability	Matrix
IC-V1	1	6 x 2 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 7 days onboard instrument	Liquid human serum
IC-V2	2			
IC-V3	3			

Analytes

Albumin	Apolipoprotein B*	Ferritin*	Kappa Light Chain
Alpha-1-Acid-Glycoprotein	Beta-2-Microglobulin	Haptoglobin	Lambda Light Chain
Alpha-1-Antitrypsin	C-Reactive Protein (CRP)	Immunoglobulin A (IgA)	Prealbumin
Alpha-2-Macroglobulin	C3 Complement	Immunoglobulin E (IgE)	Rheumatoid Factor (RF)
Antistreptolysin O (ASO)	C4 Complement	Immunoglobulin G (IgG)	Total Protein
Apolipoprotein A1*	Ceruloplasmin	Immunoglobulin M (IgM)	Transferrin

*These constituent levels have not been adjusted but are at levels found in the source material used in preparation of the controls. No claim is made for expected values of these constituents
Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization status.







MAS Liquimmune

Part Number	Level	Size	Storage & Stability	Matrix
10013876	1	6 x 2 mL	60 month shelf life @ –25ºC to –15ºC from date of manufacture 7 days onboard instrument	Liquid human serum
10013877	2			
10013878	3			

Analytes

Acetaminophen
Alpha-Fetoprotein (AFP)
Carbamazepine
Carcinoembryonic Antigen (CEA)
CK-MB (activity)
CK-MB (mass)
Digoxin
Estradiol
Ferritin
Folate
Folate Stimulating Hormone (FSH)
Gentamicin
Homocysteine
Human Chorionic Gonadotropin (beta-HCG)
Immunoglobulin A (IgA)
Immunoglobulin E (IgE)
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)
Lidocaine
Lithium
Lutenizing Hormone (LH)
N-acetylprocainamide (NAPA)
Phenobarbital
Phenytoin
Procainamide
Prolactin
Prostate Specific Antigen (PSA)
Prostate Specific Antigen Free (FPSA)
Salicylate
Testosterone
Theophylline
Thyroid Stimulating Hormone (TSH)
Thyroid Uptake (T-Uptake)
Thyroxine, Free (FT4)
Thyroxine, Total (TT4)
Tobramycin
Tricyclic Antidepressants
Triiodthyronine, Free (FT3)
Triiodthyronine, Total (TT3)
Valproic Acid
Vancomycin
Vitamin B12





MAS UrichemTRAK

Part Number	Level	Size	Storage & Stability	Matrix
10014127	Bi-level, Multi-Pack	3 bottles per level, 6 x 2 mL	24 month shelf life @ 2ºC to 8ºC from date of manufacture 7 days onboard instrument	Liquid human urine

Analytes

Amylase
Calcium
Chloride
Cortisol
Creatinine
Glucose
Magnesium
Microalbumin
Phosphorus
Potassium
Sodium
Total Protein
Urea Nitrogen
Uric Acid

Thermo Scientific LabLink 360

LabLink 360 Quality assurance software

As part of the Thermo Scientific™ quality assurance program (QAP), Thermo Scientific™ LabLink 360™ Quality Control Software offers all of the statistical tools laboratories need, including measurement of uncertainty and Six Sigma to help evaluate the performance of your methods and reduce QC runs.

LabLink 360 provides easier and faster troubleshooting, ensuring better confidence in patient results.

Troubleshoot faster
with real-time peer comparison

Auto-connectivity
Increase confidence in results with hands-free QC data transfers

Audit-friendly reports
Gain enhanced insights with customizable data visualization

Lab management
Manage QC processes across multiple sites from one platform



Thermo Scientific LabLink 360

Real-time peer comparison

Identify trends and shifts sooner with real-time peer comparison data.

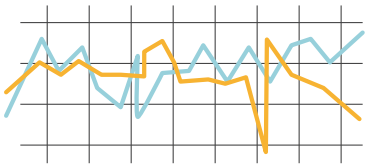
Comparing your data with laboratories around the globe or just your affiliated network can help you quickly identify a worrisome result as an instrument problem, widespread issue or acceptable value.

- Create customized peer groups to collaborate with a trusted network of peer labs to control testing variables
- Leverage our extensive affiliate network to help achieve higher standards of accuracy and efficiency, ensuring optimal performance and compliance

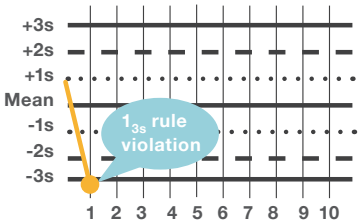
Strengthen your insights

Get instant access to peer data and QC metrics without extra steps. Monitor global peer data alongside your lab's QC data in real-time. Receive insightful metrics in real-time to increase confidence in results and get QC results out faster.

- Perform all your daily QC activities inside LabLink 360 software with interactive charts and graphs
- Flag and comment on individual data points
- Compare Levey-Jennings charts for multiple instruments
- Select Westgard and RiliBÄK violation rules



Levey-Jennings charts



Westgard Sigma rules

The **Resource Center** provides a one-stop-shop for all the documentation needed for your accreditation/audit process and provides automatic product updates and notifications.

Thermo Scientific LabLink 360

Audit-friendly reports

Synchronized digital solutions for automated, paperless documentation and approvals

Visualize data the way you want with easy-to-read reports. Monitor individual lab performance by shift, day and month and view peer data alongside your laboratory data.

- **Schedule automatic reports** and customize the contents, email distribution and frequency—freeing up your time for other tasks
- **Approvals are easy and paperless**—with digital distribution and signature features that eliminate the need for printed reports
- With **no submission cut-off**, you can upload and review your QC data at your convenience
- **Intuitive interface** simplifies training and day-to-day usage



Internal Performance
Comparison
Levey-Jennings
QC Summary

Errors and Exceptions
Affiliated Exception Notes
Exception Notes

Audit History
Audit Trail
Point Data Submission
Summary Data Submission

Peer Data Comparison
Affiliated Lab
Condensed InterLab
Individual Lab
Instrument InterLab
Method Performance (Sigma score)
Monthly Summary
Scatter Plot
Statistical Summary
Summary Urinalysis
Youden

Region Specific
RiliBÄK Data Summary
RiliBÄK Data Submission

Additional Reports
Drugs of Abuse
Quality Data Submission
Event Tracking
Point Data Submission
Quality Data Submission

Thermo Scientific LabLink 360

Eliminate manual data entry with auto-connectivity software

Easy automatic data transfer

Go hands-free with a fully automated QC data transfer solution from your instruments, laboratory information system (LIS), or middleware to LabLink xL quality assurance software.

- QC results automatically upload to the software, instantly saving you time and providing error-free data submission
- LabLink xL only receives quality control data, never patient information. Transfers are password protected and encrypted keep information safe

Multi-factor authentication

We know the importance of data security, which is why we offer multi-factor authentication as an optional LabLink 360 feature. Multi-factor authentication adds an extra layer of security by requiring multiple forms of verification to login, making it harder for unauthorized users to access your data.

Take full advantage of **LabLink 360 features** with **MAS QC** products. Learn more at **thermofisher.com/morewithMASQC**



Thermo Scientific AMX

One portfolio for all your QC needs
A dependable partner for the modern molecular laboratory

The **Thermo Scientific™ AcroMetrix™** (AMX) portfolio offers standardized third-party controls, validation panels and customer solutions that will help you achieve accurate and consistent test results.

Accurate, reliable quality control solutions—designed with an awareness of the importance of reproducible, traceable results with dependable lot-to-lot consistency.



*In vitro diagnostic medical devices — Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples
**Medical laboratories — Requirements for quality and competence, Risk Management

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
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

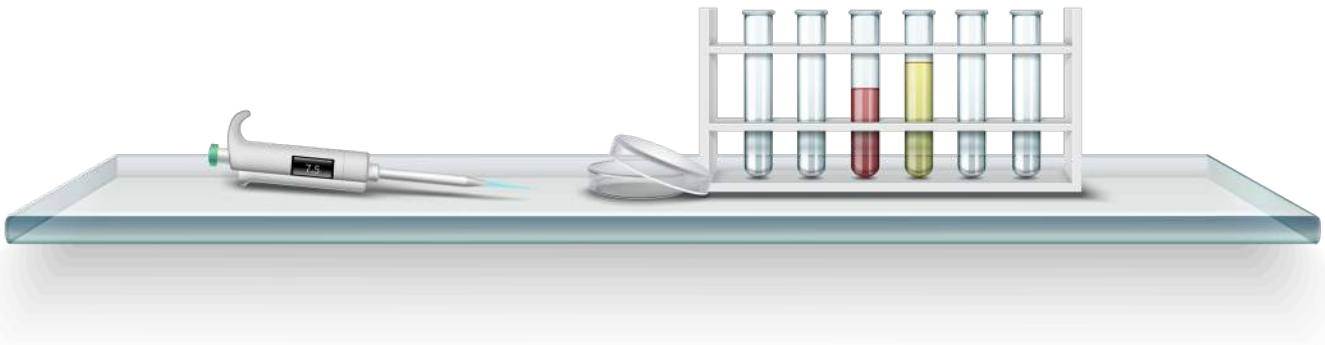
	AcroMetrix PeliSpy NAT MM 375	1.0 mL	50 vials	RUO
	AcroMetrix NATBBV- (formerly NAT Negative)	1.4 mL	10 vials	CE-IVD
	AcroMetrix HIVRNA+ (formerly PeliSpy Pro HIV Low)	1.4 mL	10 vials	CE-IVD
	AcroMetrix HBVDNA+ (formerly PeliSpy Pro HBV Low)	1.4 mL	10 vials	CE-IVD
	AcroMetrix HCVRNA+ (formerly PeliSpy Pro HCV Low)	1.4 mL	10 vials	CE-IVD
	AcroMetrix WNV RNA	1.4 mL	10 vials	CE-IVD, IVD
	AcroMetrix EDTA Plasma Dilution Matrix	45.0 mL	1 bottle	RUO

*Discontinued in the US.

Serology/immunoassay controls—Blood screening

Serology controls (formerly PeliSpy™ Multi-Marker)

	AcroMetrix PeliSpy Sero Control Type 17 HBsAg, anti-HCV, anti-HIV, anti-HTLV	5.0 mL	10 vials	RUO
	AcroMetrix PeliSpy Sero Control Type 36 HBsAg, anti-HCV, anti-HIV, anti-HTLV, anti-HBc	5.0 mL	10 vials	RUO
	AcroMetrix PeliSpy Sero Control Negative	5.0 mL	10 vials	RUO
	AcroMetrix Blue 5pk (formerly PSMM Type 38) HBsAg, anti-HCV, anti-HIV-1	5.0 mL	5 vials	CE-IVD



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

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 Number	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 Number	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				
951300	AcroMetrix HHV Negative Control	0.5 mL	5 vials	RUO



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 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.

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 Number	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 x 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

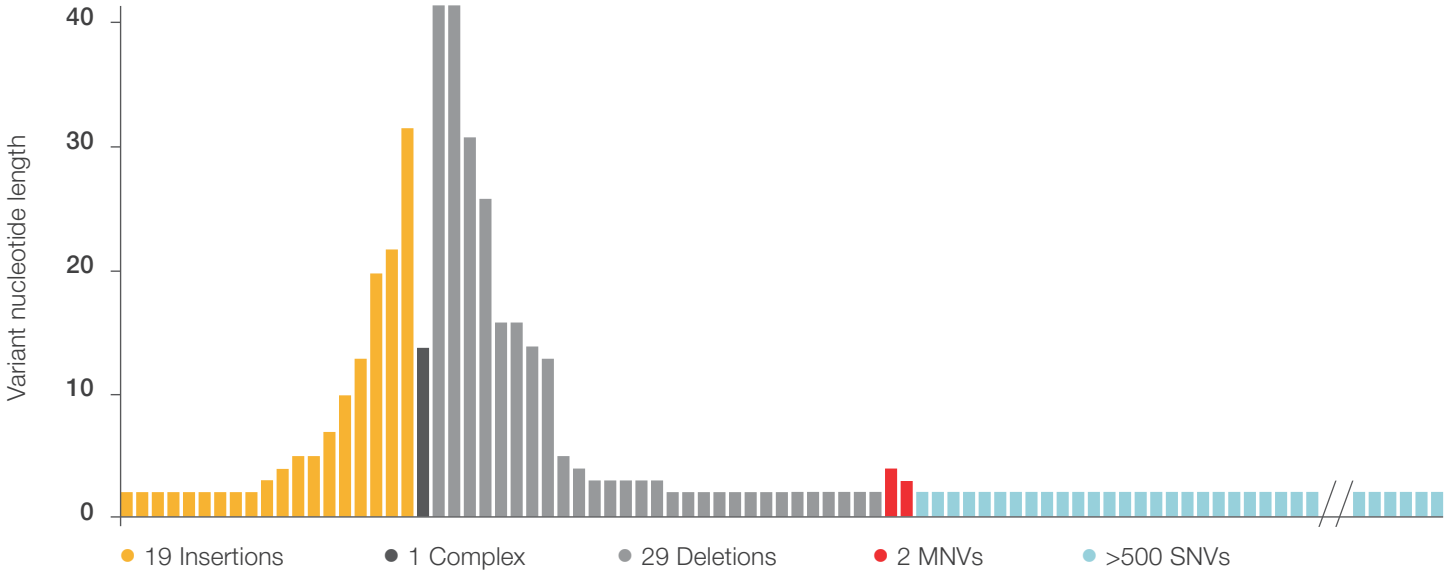
500+ mutations

53 genes

5 variant types

500+ gene mutations available thanks to MegaMix technology

Track multiple variant types of varying nucleotide lengths



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 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.



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

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



Thermo Scientific MAS

Control Reference

Analytes

Reference | Analytes

References

Analyte	Page	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Liquimmune	Omni•CARDIO	Omni•CORE II	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Omni•Infectious BSI Positive	HIV p24	anti-HBs Positive	Syphilis Positive	Infectious Negative
	Page	9	9	14	8	16	15	17	16	12	4	5	6	6	13	11	17	13	10	10	10	11	18	19	19	19	18
17-OH-Progesterone										◆			◆	◆													
25-OH-Vitamin D													◆	◆													
Acetaminophen					◆					◆		◆	◆	◆													
Acid Phosphatase					■																						
Adrenocorticotropic Hormone													◆	◆				■									
Albumin (BCG)					◆	◆			◆			◆															
Albumin (BCP)					◆				◆			◆															
Aldosterone										◆			◆	◆													
Alkaline Phosphatase (ALP)					◆							◆															
alpha-1-Acid Glycoprotein									◆			◆															
alpha-1-Antitrypsin									◆			◆															
alpha-2-Macroglobulin									◆			◆															
alpha-Fetoprotein (AFP)										◆			◆	◆				◆									
Alanine Aminotransferase (ALT)					◆							◆															
Amikacin					◆					◆		◆	◆	◆	◆												
Amitriptyline					◆										■												
Ammonia		◆																									
Amphetamines								◆																			
Amylase					◆							◆										◆					
Amylase (Pancreatic)					◆							◆															
Anti-HBc																							◆				◆
Anti-HBs																									◆		◆
Anti-HCV																							◆				◆
Anti-HIV 1/2																							◆				◆
Anti-HTLV I/II																							◆				◆
Anti-TP (Syphilis)																										◆	◆
Antistreptolysin O (ASO)									◆			◆															
Anti-Thyroglobulin (anti-Tg)														◆													
Anti-Thryroid Peroxidase (anti-TPO)														◆													
Antithrombin III									◆																		
Apolipoprotein A1					◆				■			◆															
Apolipoprotein B					◆				■			◆															
Appearance																			◆	◆	◆						
Aspartate Aminotransferase (AST)					◆							◆															
Barbiturates								◆									◆										

◆ - Analyte present. ■ - No claim is made for expected values or the stability of these constituents.

References

Analyte	Page	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Liquimmune	Omni•CARDIO	Omni•CORE II	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Omni•Infectious BSI Positive	HIV p24	anti-HBs Positive	Syphilis Positive	Infectious Negative
		9	9	14	8	16	15	17	16	12	4	5	6	6	13	11	17	13	10	10	10	11	18	19	19	19	18
Benzodiazepines								◆									◆										
beta-2-Microglobulin									◆			◆	◆	◆				◆									
Human Chorionic Gonadotropin (beta-hCG)										◆	◆		◆	◆				◆									
Bile Acids												◆															
Bilirubin, Conjugated		◆		◆								◆															
Bilirubin, Direct		◆		◆								◆															
Bilirubin, Neonatal		◆		◆								◆															
Bilirubin, Total		◆		◆								◆															
Bilirubin, Unconjugated		◆		◆								◆															
Bilirubin, Urine																◆			◆	◆	◆						
BNP 32			◆								◆																
Blood Urea Nitrogen (BUN)				◆								◆															
Buprenorphine								◆																			
C-Peptide													◆	◆													
C-Reactive Protein (CRP)									◆			◆															
C3 Complement*				◆					◆			◆															
C4 Complement*				◆					◆			◆															
CA 15-3													◆	◆				◆									
CA 19-9													◆	◆				◆									
CA 27-29																		◆									
CA 72-4																		◆									
CA 125													◆	◆				◆									
Caffeine				◆								◆			◆												
Calcitonin														■†	■†			◆									
Calcium				◆								◆										◆					
Cannabinoids (THC)								◆																			
Carbamazepine				◆						◆		◆	◆	◆	◆												
Carbamazepine (Free)															■												
CEA (carcinoembryonic antigen)										◆			◆	◆				◆									
Ceruloplasmin									◆			◆															
Chloramphenicol										◆																	
Chloride					◆	◆						◆										◆					
Cholesterol					◆							◆															
Creatine Kinase (CK)					◆						◆	◆															
CK-MB				◆						◆	◆																

◆ - Analyte present. ■ - No claim is made for expected values or the stability of these constituents.

*These constituent levels have not been adjusted but are at levels found in the source material used in preparation of the controls. No claim is made for expected values of these constituents. Refer to package insert for specific analyte, stability claims, and limitations of procedures. Shelf life starts from the date of manufacture. Availability of products in each country depends on local regulatory marketing authorization.
†Only available in the Max version of the control.

Reference | Analytes

	References																									
Page	9	9	14	8	16	15	17	16	12	4	5	6	6	13	11	17	13	10	10	10	11	18	19	19	19	18
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Liquimmune	Omni•CARDIO	Omni•CORE II	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Omni•Infectious BSI Positive	HIV p24	anti-HBs Positive	Syphilis Positive	Infectious Negative
Carbon Dioxide (CO_2)				◆							◆															
Cocaine (Benzoylecgonine)							◆																			
Color																		◆	◆	◆						
Cortisol									◆		◆	◆	◆				◆				◆					
Cotinine							◆																			
Copper											◆															
Creatinine				◆							◆							◆	◆	◆	◆					
Crystals																		◆	◆	◆						
CYFRA 21-1																	■									
d-Dimer										◆																
d-Methamphetamine							◆																			
Diazepam																◆										
DHEA-Sulfate									◆			◆	◆													
Digitoxin			◆							◆																
Digoxin				◆					◆		◆	◆	◆	◆												
Disopyramide				◆					◆		◆	◆	◆	◆												
EDDP (Methadone Metabolite)							◆																			
Estradiol									◆			◆	◆				◆									
Estriol														◆												
Estriol (Free)												◆	◆													
Ethanol	◆			◆			◆				◆															
Ethanol Ethyl Glucuronide (EtG)							◆																			
Ferritin				■				■	◆		◆	◆	◆				◆									
Folate (Vitamin B9)									◆			◆	◆													
Fructosamine												■	■													
Follicle Stimulating Hormone (FSH)									◆			◆	◆													
Gastrin												◆	◆				◆									
Gentamicin				◆					◆		◆	◆	◆	◆												
Gamma-Glutamyl Transferase (GGT)				◆							◆															
Glucose				◆	◆						◆				◆			◆	◆	◆	◆					
Haptoglobin				◆				◆			◆															
HBsAg																						◆				◆
Human Chorionic Gonadotropin (hCG)									◆	◆		◆	◆		◆		◆	◆	◆	◆	◆					
HDL Cholesterol				◆							◆															
Hemoglobin (Urine Test)															◆			◆	◆	◆						

◆ - Analyte present. ■ - No claim is made for expected values or the stability of these constituents.

References

Analyte	Page	Alcohol/Ammonia 9	Bilirubin 9	CardioImmune•XL 14	chemTRAK•H 8	CSF 16	Diabetes 15	DOA TOTAL 17	Immunology 16	Liquimmune 12	Omni•CARDIO 4	Omni•CORE II 5	Omni•Immune 6	Omni•Immune PRO 6	PAR TDM 13	Sentry Urine Dipstick Control 11	TOX Control 17	T-Marker 13	UA Control 10	UA Dip Tube 10	Urinalysis 10	UrichemTRAK 11	Omni•Infectious BSI Positive 18	HIV p24 19	anti-HBs Positive 19	Syphilis Positive 19	Infectious Negative 18
Hemoglobin A1c (HbA1c)							◆																				
HIV p24																								◆			
Homocysteine				◆						◆	■		◆	◆													
hsC-Reactive Protein (hsCRP)				◆							◆																
Human Growth Hormone										◆			◆	◆													
Imipramine					◆							◆															
Immunoglobulin A (IgA)					■	■			◆	■		◆															
Immunoglobulin E (IgE)									◆	■		◆	◆	◆													
Immunoglobulin G (IgG)					■	■			◆	■		◆															
Immunoglobulin M (IgM)					■	■			◆	■		◆															
Insulin										◆			■†	■†				◆									
IGF-1 (insulin-like growth factor 1)													◆	◆													
Iron					◆							◆															
Iron Binding Capacity (IBC)					◆							◆															
Kappa Light Chain									◆																		
Ketones																◆			◆	◆	◆						
Lactic Acid					◆	◆						◆															
Lambda Light Chain									◆																		
Lactate Dehydrogenase (LD)					◆	◆						◆															
LDL Cholesterol					◆							◆															
Leukocyte Esterase																◆			◆	◆	◆						
Lidocaine					◆					◆		◆	◆	◆	◆												
Lipase					◆							◆															
Lipoprotein (a)					◆							◆															
Lithium					◆					◆		◆	◆	◆	◆												
LSD								◆																			
Luteinizing Hormone (LH)										◆			◆	◆													
Magnesium					◆							◆										◆					
Methadone								◆																			
Methaqualone								◆																			
Methotrexate					◆							◆			◆												
Microalbumin																◆			◆	◆	◆	◆					
Morphine, Free								◆																			
Myoglobin				◆							◆																
Myeloperoxidase (MPO)											◆																

◆ - Analyte present. ■ - No claim is made for expected values or the stability of these constituents.

†Only available in the Max version of the control.

Reference | Analytes

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Analyte	Page	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Liquimmune	Omni•CARDIO	Omni•CORE II	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Omni•Infectious BSI Positive	HIV p24	anti-HBs Positive	Syphilis Positive	Infectious Negative
	Page	9	9	14	8	16	15	17	16	12	4	5	6	6	13	11	17	13	10	10	10	11	18	19	19	19	18
N-acetylprocainamide (NAPA)					♦					♦		♦	♦	♦	♦												
N-Terminal Brain Natriuretic Peptide (NT-proBNP)											♦																
Nitrite																♦			♦	♦	♦						
Nordiazepam										♦			♦	♦													
Nortriptyline					♦			♦				♦					♦										
NSE																		■									
Opiates (Morphine, Free)								♦																			
Osmolality					♦							♦							♦	♦	♦	♦					
Oxazepam								♦																			
Oxycodone								♦																			
Prostatic Acid Phosphatase (PAP)													♦	♦				♦									
Parathyroid Hormone (PTH)													♦	♦													
pH																♦			♦	♦	♦	♦					
Phencyclidine (PCP)								♦																			
Phenobarbital					♦					♦		♦	♦	♦	♦												
Phenytoin					♦					♦		♦	♦	♦	♦												
Phenytoin (Free)													♦	♦													
Phosphorus					♦							♦										♦					
Potassium					♦	♦						♦							♦	♦	♦	♦					
Prealbumin					♦	♦			♦			♦															
Pregnancy Associated Plasma Protein (PAPP-A)													■	■													
Primidone					♦					♦		♦	♦	♦	♦												
Procalcitonin (PCT)											♦		♦	♦													
Procainamide					♦					♦		♦	♦	♦	♦												
Progesterone										♦			♦	♦													
Prolactin										♦			♦	♦				♦									
Properdin Factor B									♦																		
Propoxyphene								♦																			
Protein Electrophoresis						♦																					
Prostate Specific Antigen, Total (TPSA)										♦			♦	♦				♦									
Prostate Specific Antigen, Free (FPSA)										♦			♦	♦				♦									
Pseudocholinesterase (PCHE)					♦							♦															
Quinidine					♦					♦		♦	♦	♦	♦												
Red Blood Cells (Urine Test)																			♦	♦	♦						
Rheumatoid Factor (RF)									♦			♦															

♦ - Analyte present. ■ - No claim is made for expected values or the stability of these constituents.

References

Analyte	Page	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Liquimmune	Omni•CARDIO	Omni•CORE II	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Omni•Infectious BSI Positive	HIV p24	anti-HBs Positive	Syphilis Positive	Infectious Negative
		9	9	14	8	16	15	17	16	12	4	5	6	6	13	11	17	13	10	10	10	11	18	19	19	19	18
Salicylate					◆					◆		◆	◆	◆	◆												
Secobarbital								◆									◆										
Sex Hormone Binding Globulin (SHBG)														◆													
Sodium					◆	◆						◆							◆	◆	◆	◆					
Specific Gravity																◆			◆	◆	◆	◆					
Testosterone										◆			◆	◆													
Thyroid Uptake (T-Uptake)					◆					◆		◆	◆	◆													
Triiodothyroxine, Total (TT3)					■					◆			◆	◆													
Triiodothyroxine, Free (FT3)					■					◆			◆	◆													
Thyroxine, Total (TT4)					◆					◆		◆	◆	◆													
Thyroxine, Free (FT4)					■					◆			◆	◆													
TBG (Thyroxine-Binding Globulin)													◆	◆													
Theophylline					◆					◆		◆	◆	◆	◆												
Thyroglobulin										◆			◆	◆				◆									
Iron Binding Capacity, Total (TIBC)					◆							◆															
Tobramycin					◆					◆		◆	◆	◆	◆												
Total Protein					◆	◆			◆			◆				◆			◆	◆	◆	◆					
Transferrin									◆			◆															
Tricyclic Antidepressants					◆					◆		◆	◆	◆	◆		◆										
Triglycerides					◆							◆															
Troponin I				◆							◆																
Troponin T				◆							◆																
Thyroid Stimulating Hormone (TSH)					◆					◆		◆	◆	◆	◆												
Iron Binding Capacity, Unsaturated (UIBC)					◆							◆															
Urea Nitrogen					◆							◆										◆					
Uric Acid					◆							◆										◆					
Urobilinogen																◆			◆	◆	◆						
Valproic Acid					◆					◆		◆	◆	◆	◆												
Valproic Acid Free													◆	◆													
Vancomycin					◆					◆		◆	◆	◆	◆												
Vitamin B12										◆			◆	◆													
White Blood Cells (Urine Test)																			◆	◆	◆						
Zinc												◆															

◆ - Analyte present. ■ - No claim is made for expected values or the stability of these constituents.

Customer service

Order placement

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Please indicate the following required information on your purchase order:

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ATTN: Customer Service

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Emails for non-urgent inquiries

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Notes

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