



# Imagine the possibilities

Thermo Scientific MAS Quality Control Products  
LabLink xL Quality Assurance Program

International Catalog



# Contents

Why choose MAS Quality Controls	3
---------------------------------	---

---

## Thermo Scientific MAS Controls

Omni Consolidated Controls	4–7
Serum Chemistry Controls	8–9
Urine Chemistry Controls	10–11
Immunoassay Controls	12–13
Cardiac & Diabetes Controls	14
Immunology & Protein Controls	16
Toxicology Controls	17
Serological Infectious Disease Controls	18–21
Dimension Vista Controls	22–25

---

## Thermo Scientific MAS Programs

LabLink xL Quality Assurance Software	26–31
Value Assignment Program	30

---

## Thermo Scientific MAS Control References

Analytes	32–37
Instruments	38–41
Serology	42

---

Customer service	43
------------------	----



# Ensuring precise and efficient quality control

As a core lab, your most important task is to deliver accurate, consistent, and reproducible patient results. **Thermo Scientific™ MAS™ Quality Controls** are independent third-party controls that support you to achieve that goal – while maximizing efficiency every step of the way. They help you streamline routine tasks without sacrificing quality in the process.



**30 days**  
open vial stability\*

Built for *your* timeline



**Ready to use**  
straight from the fridge

No waiting for reconstitution



**3–5 years**  
shelf life

Faster lot-to-lot  
verification

## 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

\* Applies to most MAS products

# Thermo Scientific MAS

## Omni Consolidated Controls



### MAS Omni•CORE

Thermo Scientific™ MAS™ Omni•CORE™ Controls consolidate general chemistry and serum protein QC processing into a single product, offering three distinct levels.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
OCR-101	1	6 x 5 mL assayed	36 month shelf life @ -25 to -15 °C from date of manufacture 30 days open-vial @ 2 to 8 °C (Bilirubin is 15 days open-vial @ 2 to 8 °C)	Human serum
OCR-202	2			
OCR-303	3			

### Analytes

<b>General Chemistry</b>			
Albumin	Lactic Acid	N-acetylprocainamide (NAPA)	<b>Endocrine/Hormone Tests</b>
Alkaline Phosphatase (ALT/GPT)	Lipase	Phenobarbital	Cortisol
Alanine Aminotransferase (ALT)	Magnesium	Phenytoin	
Amylase	Osmolality	Primidone	<b>Allergy Tests</b>
Amylase (Pancreatic)*	Phosphorus	Procainamide	Immunoglobulin E (IgE)
Aspartate Aminotransferase (AST/GOT)	Potassium	Quinidine	
Bile Acids*	Pseudocholinesterase (PCHE)	Salicylate	<b>Serum Proteins/Serology Tests</b>
Bilirubin, Conjugated	Sodium	Theophylline	Alpha-1-Acid Glycoprotein (AAG)*
Bilirubin, Direct (DBIL)	Total Protein	Tobramycin	Alpha-1-Antitrypsin (AAT)*
Bilirubin, Neonatal	Triglycerides	Tricyclic Antidepressants (TCA)	Alpha-2-Macroglobulin (AMG)*
Bilirubin, Total (TBIL)	Uric Acid	Valproic Acid	Antistreptolysin O (ASO)
Bilirubin, Unconjugated	Zinc	Vancomycin	Apolipoprotein A1 (APO A)*
Blood Urea Nitrogen (BUN)			Apolipoprotein B (APO B)*
Calcium	<b>TDM/Toxicology Tests</b>	<b>Anemia/Iron Deficiency Tests</b>	Beta-2-Microglobulin
Carbon Dioxide (CO2)	Acetaminophen	Ferritin	C3 Complement*
Chloride	Amikacin	Iron	C4 Complement*
Cholesterol	Caffeine	Iron Binding Capacity (IBC)	Ceruloplasmin (CER)*
Cholesterol, HDL	Carbamazepine	Iron Binding Capacity, Total (TIBC)	C-Reactive Protein (CRP)
Cholesterol, LDL	Digoxin	Iron Binding Capacity, Unsaturated (UIBC)	Haptoglobin*
Copper*	Disopyramide	Transferrin*	Immunoglobulin A (IgA)*
Creatine Kinase (CK)	Ethanol		Immunoglobulin G (IgG)*
Creatinine	Ethosuximide	<b>Thyroid Function Tests</b>	Immunoglobulin M (IgM)
Gamma-Glutamyl Transferase (GGT)	Gentamicin	Thyroxine, Total (TT4)	Lipoprotein A (Lp(a))*
Glucose	Lidocaine	Thyroid-Stimulating Hormone (TSH)	Prealbumin
Lactate Dehydrogenase (LDH)	Lithium	Thyroid Uptake (T-Uptake)	Rheumatoid Factor (RF)
	Methotrexate		

\* 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 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	Bottles & Size	Storage & Stability	Matrix
OCRD-UL	Ultra Low	6 x 3 mL assayed	36 months @ -25 to -15 °C from date of manufacture 15 days @ 2-8 °C (for BNP-32, CK-MB, D-Dimer, Digitoxin, hCG, hsCRP, Myeloperoxidase, Procalcitonin, Total CK, Troponin-I and Troponin-T) 10 days @ 2-8 °C (for Myoglobin and NT-proBNP)	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)	High Sensitivity C-Reactive Protein (hsCRP)	Troponin I
Copeptin*		Troponin T
Creatine Kinase MB (CK-MB)	Myeloperoxidase (MPO)	
D-Dimer	Myoglobin	
Digitoxin	N-Terminal Brain Natriuretic Peptide (NT-proBNP)	
Human Chorionic Gonadotropin (hCG)	Procalcitonin (PCT)	
Beta Human Chorionic Gonadotropin (Beta-HCG)	Total Creatinine Kinase (Total CK)	

\* 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.

# Thermo Scientific MAS

## Omni Consolidated Controls

### MAS Omni•IMMUNE

Thermo Scientific™ MAS™ Omni•IMMUNE™ & MAS Omni•IMMUNE PRO™ Controls provide consolidation for routine immunoassay, tumor marker and specialty immunoassay QC processing into a single product, offering three distinct levels.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
OIM-101	1	6 x 5 mL assayed	36 month shelf life @ -25 to -15 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	Human serum
OIM-202	2			
OIM-303	3			

### MAS Omni•IMMUNE PRO

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.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
OPRO-101	1	6 x 5 mL assayed	36 month shelf life @ -25 to -15 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	Human serum
OPRO-202	2			
OPRO-303	3			

### 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

Adrenocorticotrophic 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)



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

\* 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.



## Value assignment for Omni Controls\*

Target values are provided for the key integrated instrument platforms available in the market place.

System	Omni•IMMUNE & Omni•IMMUNE PRO	Omni•CARDIO	Omni•CORE
Thermo Scientific Indiko	✓	✓	✓
Abbott Alinity	✓	✓	✓
Abbott Architect	✓	✓	✓
Beckman Coulter Access	✓	✓	✓
Beckman Coulter AU		✓	✓
Beckman Coulter UniCel	✓	✓	✓
Beckman Coulter Synchron			✓
Ortho Clinical Diagnostics Vitros	✓	✓	✓
Roche Cobas	✓	✓	✓
Roche Elecsys	✓	✓	✓
Siemens Advia		✓	✓
Siemens Atellica	✓	✓	✓
Siemens Centaur	✓	✓	
Siemens Dimension	✓	✓	✓
Siemens Dimension Vista	✓	✓	✓
Siemens Immulite	✓	✓	
Siemens Stratus		✓	

\* Includes Rilibäk support

## Streamline your workflow Consolidate multiple QC products

**8** competitor controls

to

**3** Omni Controls

Immunoassay Control

Specialty IA Control

Tumor Marker Control

Cardiac Marker Control

D-Dimer Control

Chemistry Control

Immunology Control

Rheumatoid Factor Control

Omni•IMMUNE or  
Omni•IMMUNE PRO



Omni•CARDIO



Omni•CORE



# 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. Both formats are liquid, ready to use and no additional preparation is required. Assayed values are available for most major platforms.

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

### Analytes

Acetaminophen	Carbon Dioxide (CO2)	Iron Binding Capacity, Total (TIBC)	Pseudocholinesterase
Alanine Aminotransferase (ALT)	Chloride	Iron Binding Capacity, Unsaturated (UIBC)*	Quinidine
Albumin	Cholesterol	Lactate Dehydrogenase (LD)	Salicylate
Alkaline Phosphatase	Creatine Kinase (CK)	Lactic Acid	Sodium
Amikacin	Creatinine	LDL Cholesterol	Theophylline
Amylase	Digoxin	Lidocaine	Thyroid Stimulating Hormone
Amylase (Pancreatic)	Disopyramide	Lipase	Thyroid Uptake (T-Uptake)
Apolipoprotein A	Ethanol	Lipoprotein (a)	Thyroxine, Free (FT4)*
Apolipoprotein B	Ethosuximide	Lithium	Thyroxine, Total (TT4)
Aspartate Aminotransferase (AST)	Ferritin*	Magnesium	Tobramycin
Bilirubin, Unconjugated	Gamma-Glutamyl Transferase	Methotrexate	Total Protein
Bilirubin, Conjugated	Gentamicin	N-acetylprocainamide (NAPA)	Transferrin*
Bilirubin, Direct (DBIL)	GLDH*	Osmolality	Tricyclic Antidepressants
Bilirubin, Neonatal	Glucose	Phenobarbital	Triglycerides
Bilirubin, Total (TBIL)	Haptoglobin*	Phenytoin	Triiodothyronine, Free (FT3)*
Blood Urea Nitrogen (BUN)	HBDH*	Phosphorus	Triiodothyronine, Total (TT3)*
C3 Complement*	HDL Cholesterol	Potassium	Uric Acid
C4 Complement*	Immunoglobulin A (IgA)*	Prealbumin	Valproic Acid
Caffeine	Immunoglobulin G (IgG)*	Primidone	Vancomycin
Calcium	Immunoglobulin M (IgM)*	Procainamide	
Carbamazepine	Iron		

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

\* 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 Alcohol/Ammonia

An assayed, bi-level control for monitoring ethanol and ammonia levels in serum. This ready to use product is packed in convenient multipacks and has been assayed for most major instruments. Normal Ammonia values in Level 1.

### Analytes

Ammonia  
Ethanol

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
AAC-MP	Bi-level, Multi-Pack	6 x 3.5 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	Human serum

## MAS Bilirubin

This assayed, tri-level control has been designed to monitor the performance of total, direct, conjugated, unconjugated and neonatal bilirubin. There are no additional preparation steps required for this liquid, ready to use product. 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	Bottles & Size	Storage & Stability	Matrix
BC101	1	6 x 5 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 14 days open-vial @ 2 to 8 °C when stored in the dark	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 that is liquid and ready to use with improved room temperature storage capability. This urine control was designed for monitoring urine dipstick and microscopic components and is assayed for most major reagent strips and strip systems. It includes ten commonly tested dipstick tests plus Microalbumin, Creatinine, and hCG.

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

### Analytes

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

### MAS UA DipTube

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

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

### Analytes

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

### MAS Urinalysis

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

This liquid control is assayed for most major reagent strips and strip systems.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
024222	1 (normal)	6 x 15 mL	12 month shelf life @ 2 to 8 °C from date of manufacture	Human urine
024225		4 x 60 mL	30 days open-vial @ 2 to 8 °C	
024224	3 (normal)	6 x 15 mL	18 month shelf life @ 2 to 8 °C from date of manufacture	
024227		4 x 60 mL	30 days open-vial @ 2 to 8 °C	

### Analytes

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

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.





## Sentry Urine Dipstick Control\*

Ideal for use outside the clinical laboratory where refrigerated storage isn't always available. The 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	Bottles & Size	Storage & Stability	Matrix
URN5005	Bi-level, Multi-Pack	4 x 25 mL	18 month shelf life @ 2 to 8 °C from date of manufacture 12 month open-vial @ room temperature	Synthetic

## Analytes

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

## MAS UrichemTRAK

Thermo Scientific™ UrichemTRAK™ Controls are designed to quantitatively monitor the most commonly tested urine chemistry analytes. This liquid, assayed control is ready to use, requires no additional preparation and the non-azide formulation will not interfere with ISEs. It includes general chemistry, physical properties, and hCG tests.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
UR11001	6 x 15 mL	6 x 15 mL	24 month shelf life @ 2 to 8 °C from date of manufacture	Human urine
UR22002	4 x 60 mL			
UR-MP	Bi-level, Multi-Pack			

## Analytes

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



### MAS Liquimmune

Save time and extra costs associated with lot changes using Thermo Scientific™ MAS™ Liquimmune™ Controls, now with an extended shelf life. This multi-analyte immunoassay control is liquid based and designed to monitor immunoassay test procedures on automated instruments. Provides coverage of fertility, thyroid, iron deficiency, endocrine and allergy parameters. Assayed values are provided for major instrument systems.

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

### Analytes

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

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

\* 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 PAR TDM

The Thermo Scientific™ MAS™ PAR™ TDM Liquid Therapeutic Drug Control is a multi-analyte control with assayed values designed for therapeutic drugs and common immunoassay test procedures on most automated instruments. No additional preparation is required for this liquid, ready-to-use product that offers three significant levels.

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

### Analytes

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

## MAS T-Marker

This liquid, assayed, multi-analyte control is designed to monitor performance of various cancer antigen tests on automated instruments, such as Abbott Architect, Beckman Access/Dxl, Ortho Vitros ECI, Roche Modular Elecsys, Siemens Advia Centaur and Immulite, and Tosoh AIA 600II. No additional preparation steps are required for these ready-to-use products.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
TUM-101	1	6 x 3 mL	36 month shelf life @ -25 to -15 °C from date of manufacture (Note: 5 year shelf life since May 2021) 90 days unopened @ 2 to 8 °C 30 days open-vial @ 2 to 8 °C	Human serum
TUM-202	2			
TUM-303	3			

### Analytes

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

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

\* Not cleared by FDA. 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.



# Thermo Scientific MAS

## Cardiac & Diabetes Controls



### MAS CardiolImmune•XL

The Thermo Scientific™ MAS™ CardiolImmune™•XL Multi-Analyte Control is designed to monitor serum cardiac marker test methods. No additional preparation is required for this liquid, ready-to-use product. It offers four distinct levels, and is also available in a tri-level multipack.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
CAI-XLL	L	6 x 3 mL	36 month shelf life @ -25 to -15 °C from date of manufacture 30 days open-vial @ 2 to 8 °C (for hsCRP, Digitoxin, Troponin I and Homocysteine) 15 days open-vial @ 2 to 8 °C for BNP 32, Myoglobin (when a dropper tip is used), NT-proBNP, Troponin T, CK-MB	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 CardiolImmune Ultra Low

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

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

#### Analytes

Troponin I

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.



## MAS Diabetes

This liquid assayed diabetes control is a bi-level control designed to monitor hemoglobin A1c methods. Assayed for most major instrument systems. The liquid, ready-to-use product requires no additional preparation.

## Analytes

Hemoglobin A1c (HbA1c)

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
DBCL-MP	Bi-level, Multi-Pack	6 x 1 mL	24 month shelf life @ -25 to -15 °C from date of manufacture 60 days unopened @ 2 to 8 °C 30 days open-vial @ 2 to 8 °C	Human whole blood



# Thermo Scientific MAS

## Immunology & Protein Controls



### MAS Immunology

This multi-analyte immunology liquid assayed control is designed to monitor the performance of various serum protein and serology test procedures including Antistreptolysin O, C-Reactive Protein, Prealbumin and Rheumatoid Factor. It is assayed for major instrument systems and is ready to use, requiring no additional preparation. Three levels provide monitoring of the full assay range.

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

### Analytes

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

### MAS Immunology Advanced

This multi-constituent immunology liquid assayed control is designed for monitoring assay conditions in many immunology determinations including Cystatin C, Anti-cyclic citrullinated peptide (anti-CCP), Transferrin receptor. It is assayed for major instrument systems and is ready to use, requiring no additional preparation.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
ICA-101	1	6 x 3 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	Human serum
ICA-202	2			

### Analytes

Albumin	Ferritin*
Alpha-1-Acid-Glycoprotein	Cystatin C
Alpha-1-Antitrypsin	Haptoglobin
Alpha-2-Macroglobulin	Immunoglobulin A (IgA)
Anti-Cyclic Citrullinated Peptide (anti-CCP)	Immunoglobulin E (IgE)
Antistreptolysin O	Immunoglobulin G (IgG)
Antithrombin III	Immunoglobulin M (IgM)
Apolipoprotein A-1*	Kappa Light Chain
Apolipoprotein B*	Lambda Light Chain
Beta-2-Microglobulin	Prealbumin
C-Reactive Protein (CRP)	Properdin Factor B
C3 Complement	Rheumatoid Factor (RF)
C4 Complement	Total Protein
Ceruloplasmin	Transferrin
	Transferrin receptor (STFR)

### MAS CSF

This assayed, bi-level 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. Assayed for major instrument systems. These products are liquid, ready to use and require no additional preparation.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
CSF-MP	Bi-level, Multi-Pack	6 x 3.5 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	Human serum

### Analytes

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

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

\* 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.



# 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). The control is a liquid, ready to use product available for use on a variety of instrument platforms. Each level of control is individually packed which gives you the flexibility to choose your levels according to your drug screen panel cutoffs while keeping the number of control vials to a minimum.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
DOAT-1	1	6 x 18 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	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	Methadone
Benzoylcegonine	Methaqualone
Buprenorphine	Morphine, free
Cotinine	Nitrazepam
d-Methamphetamine	Nortriptyline
EDDP	Oxazepam
Ethanol	Oxycodone
Ethyl Glucuronide	Phencyclidine
LSD	Propoxyphene
	Secobarbital

## MAS TOX Control

This multi-analyte control is developed for use with the Thermo Scientific MAS Toxicology immunoassays for the semi-quantitative measurement of barbiturates, benzodiazepine, and tricyclic antidepressants in either serum or plasma.

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
10011608	Multi-Pack 3 levels	6 x 5 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 20 days open-vial @ 2 to 8 °C	Bovine plasma

### Analytes

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

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

\* Substance Abuse and Mental Health Services Administration (SAMHSA) [www.samhsa.gov](http://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

Thermo Scientific MAS Controls for infectious disease are true third-party controls that allow the core laboratory to “get more done”. Our product offering for serological infectious disease currently includes independent platform agnostic controls for viral blood stream infectious, syphilis and for the detection of IgG antibodies in patients exposed to the SARS-CoV-2 virus.

### Benefits of the MAS Omni•Infectious controls for blood stream infections

✓ Consolidation	✓ Liquid “ready to use”	✓ Great open vial stability	✓ Commutable
→ allows to optimize your daily workflow	→ control can be directly loaded on to platforms facilitating a “load-and-go” approach to increase your productivity	→ maximizes usage and reduces waste (60 days open vial stability for positive and negative controls and 30 days for standalone controls)	→ controls are derived from human serum matrices thereby allowing to be processed as regular patient specimens

### MAS Omni•Infectious BSI Positive Control Panel

The BSI Positive Control Panel is a multi analyte constituent quality control. It is suitable for use on both manual and automated test platforms and is used for the independent monitoring of the analytical performance of IVD test systems. The BSI Positive control is platform agnostic and can be run across several platforms.

#### Analytes

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

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

### 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.

#### Analytes

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

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



### MAS HIV p24 Positive Control

Thermo Scientific MAS HIV p24 Positive Control is an independent unassayed control intended to be used to assess the performance of serological assays that detect HIV p24 antigen in the clinical laboratory for both manual testing and on automated test platforms.

#### Analytes

HIV p24

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

### MAS anti-HBs Positive Control

Thermo Scientific MAS anti-HBs Positive Control is an independent unassayed control intended to be used to assess the performance of serological assays that detect antibodies to Hepatitis B Surface Antigen in the clinical laboratory for both manual testing and on automated test platforms.

#### Analytes

anti-HBs

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

### MAS Syphilis Positive Control

Thermo Scientific MAS Syphilis Positive Control is an independent unassayed control intended to be used to assess the performance of serological assays that detect antibody against *Treponema pallidum* the etiological agent for syphilis in the clinical laboratory for both manual testing and on automated test platforms.

#### Analytes

anti-TP (Syphilis)

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

# Thermo Scientific MAS

## Serological Infectious Disease Controls

### Performance of the MAS Omni•Infectious Controls on different assay platforms

The performance of the MAS Omni•Infectious control in various platforms was assessed in a limited evaluation to demonstrate the performance of the controls on different assay platforms. The results of the study confirmed the control was platform agnostic and can be used across multiple platforms.

Part Number	Product	Analyte	Abbott Architect	Abbott Alinity	Siemens Atellica	Roche Elecsys
10027480	MAS Omni•Infectious BSI Positive Control Panel	HBsAg	Positive	Positive	Positive	Not tested
		Anti-HIV	Positive	Not tested	Positive	Not tested
		Anti-HTLV	Positive	Not tested	Not tested	Not tested
		Anti-HBc	Positive	Positive	Positive	Not tested
		Anti-HCV	Positive	Positive	Positive	Not tested
		Anti-HBs	Positive	Positive	Positive	Not tested
10027481	MAS HIV p24 Positive Control	HIV p24	Positive	Not tested	Positive	Not tested
10027483	MAS Syphilis Positive Control	Anti-TP (syphilis)	Positive	Positive	Positive	Not tested
10027482	MAS anti-HBs Positive Control	anti-HBs	Positive	Positive	Not tested	Not tested
10027484	MAS Infectious Negative Control	HBsAg	Non reactive	Non reactive	Non reactive	Not tested
		Anti-HIV		Not Tested	Non reactive	Not tested
		Anti-HTLV		Not Tested	Not Tested	Not tested
		Anti-HBc		Non reactive	Non reactive	Not tested
		Anti-HCV		Non reactive	Non reactive	Not tested
		Anti-HBs		Non reactive	Non reactive	Not tested
10028305	MAS SARS-CoV-2 IgG Positive Control	IgG Antibodies to SARS-CoV-2	Positive			Positive
10028306	MAS SARS-CoV-2 Negative Control	Negative to SARS-CoV-2	Non reactive			Non reactive





## MAS SARS-CoV-2 Serology Controls

Thermo Scientific MAS SARS-CoV-2 Controls are true third-party controls that provide the core laboratory with an **“unbiased performance assessment”** of serological assays for the SARS-CoV-2 virus. Our product offering for SARS-CoV-2 currently includes a positive control for the detection of IgG antibodies in patients exposed to the SARS-CoV-2 virus and a negative control to assess assay performance.

### Benefits of the MAS SARS-CoV-2 Controls

✓ Consolidation	✓ Liquid “ready to use”	✓ 60-day open vial stability	✓ Commutable
→ optimized to meet the daily workflow of the <b>core laboratory</b>	→ control can be directly loaded on to platforms facilitating a “load-and-go” approach to increase your productivity	→ maximizes usage and reduces waste	→ controls are derived from human plasma matrices thereby allowing to be processed as regular patient specimens

## MAS SARS-CoV-2 IgG Positive Control

The Thermo Scientific MAS SARS-CoV-2 IgG Positive Control is an independent unassayed control that can be used to verify the performance of the SARS-CoV-2 serological assays used in the clinical laboratory for the detection of IgG in human plasma in the clinical laboratory.

### Analytes

IgG antibodies to SARS-CoV-2

Part Number	Bottles & Size	Storage & Stability	Matrix
<b>10028305</b>	5 x 3 mL	12 month shelf life @ 2 to 8 °C from date of manufacture 60 days open-vial @ 2 to 8 °C*	Human plasma

## MAS SARS-CoV-2 Negative Control

The Thermo Scientific MAS SARS-CoV-2 Negative Control is an independent unassayed control that can be used to verify the performance of the SARS-CoV-2 serological assays and is negative or non-reactive for IgG antibodies in human plasma in the clinical laboratory.

### Analytes

Nonreactive to various infectious agents, including the SARS-CoV-2 virus

Part Number	Bottles & Size	Storage & Stability	Matrix
<b>10028306</b>	5 x 3 mL	12 month shelf life @ 2 to 8 °C from date of manufacture 60 days open-vial @ 2 to 8 °C*	Human plasma

\* 60 day open-vial stability will be available end May, 2021.



# Thermo Scientific MAS

## Quality Control Solutions for Vista

Designed for use with the Siemens Dimension Vista instrumentation

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 provide assurance that long-term quality assurance is maintained when performing routine quality control on the Dimension Vista instrument.

Nine individual Thermo Scientific MAS quality control products are available in a Dimension Vista specific format covering the instrument assay portfolio. Six vials are provided in each kit for convenience.



### MAS Alcohol/Ammonia

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
10014443	Bi-level, Multi-Pack	6 x 2 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 7 days onboard instrument	Human serum

Analytes
Ammonia
Ethanol

### MAS Cardiolmmune\*XL

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

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

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	Bottles & Size	Storage & Stability	Matrix
10014150	1	6 x 2 mL assayed	30 month shelf life @ -25 to -15 °C from date of manufacture 7 days onboard instrument	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	Triiodothyronine, Free (FT3)*
Blood Urea Nitrogen (BUN)	HDL Cholesterol	Potassium	Triiodothyronine, Total (TT3)*
C3 Complement*	Immunoglobulin A (IgA)*	Prealbumin	Uric Acid
C4 Complement*	Immunoglobulin G (IgG)*	Procainamide	Valproic Acid
Calcium	Immunoglobulin M (IgM)*	Pseudocholesterase	Vancomycin
Carbamazepine	Iron	Salicylate	
Carbon Dioxide (CO2)	Iron Binding Capacity, Total (TIBC)	Sodium	
Chloride	Lactate Dehydrogenase (LD)	Theophylline	

## MAS CSF

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
10014444	Bi-level, Multi-Pack	6 x 2 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 7 days onboard instrument	Human serum

### Analytes

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

\* 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.

# Thermo Scientific MAS

## Quality Control Solutions for Vista



### MAS Diabetes

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
10011608	Multi-Pack 3 levels	6 x 5 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 20 days open-vial @ 2 to 8 °C	Human whole blood

### Analytes

Hemoglobin A1c (HbA1c)



### MAS Immunology

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

### Analytes

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

\* 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	Bottles & Size	Storage & Stability	Matrix
10013876	1	6 x 2 mL	60 month shelf life @ -25 to -15 °C from date of manufacture 7 days onboard instrument	Human serum
10013877	2			
10013878	3			

## Analytes

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



## MAS UrichemTRAK

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
10014127	Bi-level, Multi-Pack	6 x 2 mL	24 month shelf life @ 2 to 8 °C from date of manufacture 7 days onboard instrument	Human urine

## Analytes

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



# Thermo Scientific LabLink xL

## Quality Assurance Software

**Smartify your lab.** Save time and improve efficiency in your lab with Thermo Scientific LabLink xL™ Quality Assurance Monitor your internal quality control while comparing results with other labs around the globe in real time with Thermo Scientific LabLink xL cloud-based quality assurance software.



### Truly Real-Time Peer Comparison Software

Peer data is updated instantly



### Daily QC Integration for MAS and Other QC Products

All your QC products are in one place



### Simple and Intuitive Interface

Interactive Levey-Jennings charts, Westgard rules, and audit-friendly reports



### Automated QC Data Transfer

With select systems



### Cloud-Based

SSL encrypted. Automatically receive future updates



### No Submission Cutoff Dates

Review data whenever you want



### Sigma Score and Other Performance Metrics

%Bias, SDI, CVI, Z score, and more



### Multiple Lab Management

Scalable software grows with your organization



### Validated Software

FDA and GAMP 5 compliance

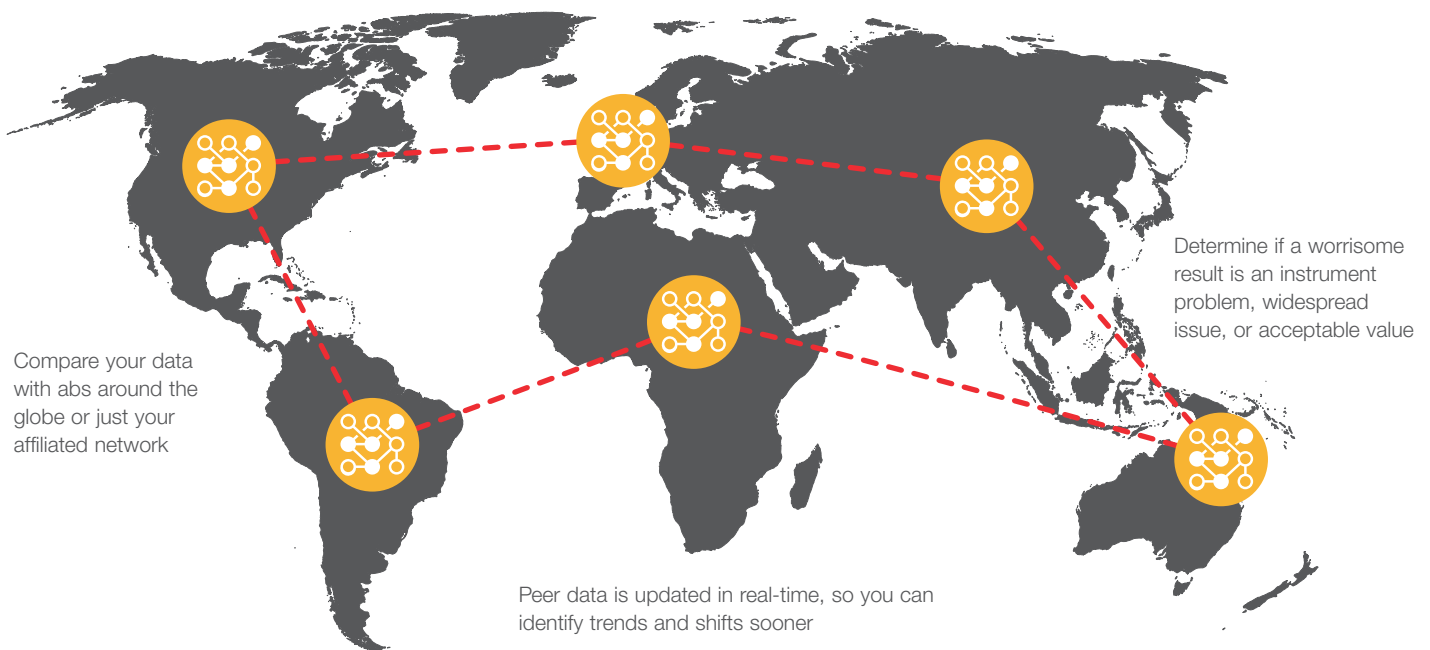


### Multilingual Capabilities

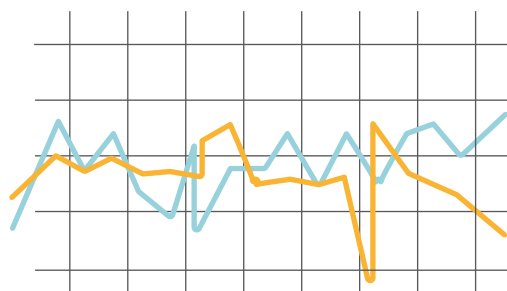
Available in 15+ languages



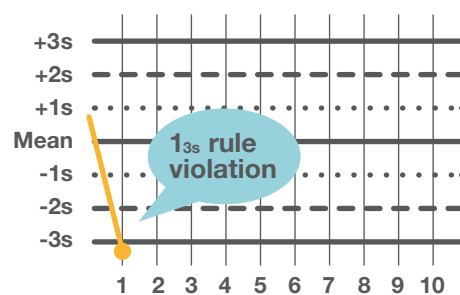
## Troubleshoot faster with real-time peer comparison



## Day-to-day QC all in one place



Levey-Jennings Charts



Westgard Sigma Rules

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

# Thermo Scientific LabLink xL

## Quality Assurance Software

Audit-friendly reports: Visualize data the way you want

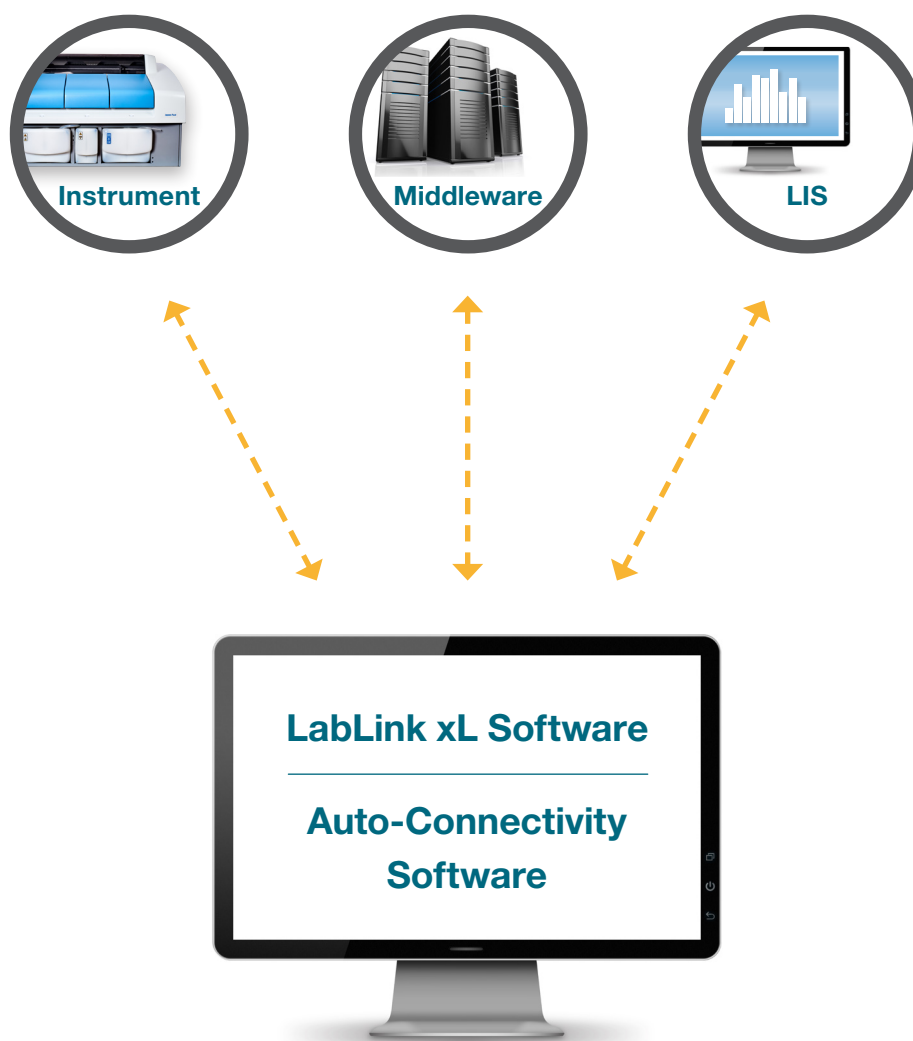
- Easy-to-read reports help you monitor individual lab performance by shift, day and month
- View peer data alongside your laboratory data

Internal Performance	Peer Data Comparison	Audit History	Region Specific
Comparison ✓	Affiliated Lab ✓	Audit ✓	Rilibák Data Summary
Levey-Jennings ✓	Condensed Interlab	Point Data Submission ✓	Rilibák ✓
QC Summary ✓	Drugs of Abuse ✓	Summary Data Submission ✓	
	Individual Lab		
	Instrument Interlab		
	Method Performance ✓		
	Monthly Summary		
	Statistical Summary ✓		
	Summary Urinalysis		
	Youden ✓		
<b>Errors and Exceptions</b>			
Affiliated Exception Notes			
Exception Notes			

✓ NEW IN LABLINK XL 2.0



## Hands-free QC with Auto-Connectivity Software



- No more manual data entry with fully automatic QC data transfer
- QC results are uploaded to LabLink xL software
- Save time with error-free data submission and increase confidence in results



Learn more about  
**LabLink xL and Auto-Connectivity Software**  
features and requirements at [maslablink.com](https://maslablink.com)



# Thermo Scientific MAS

## QC Value Assignment Program



Value assignment is an important requirement when rolling over to a new lot of QC material. The ability to provide full coverage of instrument target values involves the partnership of Thermo Fisher Scientific with laboratories performing the required testing. Without involvement of these external laboratories, the ability to provide value assignment coverage is significantly reduced.

Thermo Fisher Scientific is actively looking for new laboratories that are willing to assist with MAS™ QC Value Assignment in return for monetary compensation or QC products. The results received from the participating laboratories are used to establish QC ranges in the lot specific package inserts for the MAS Quality Controls.

### Testing Guidelines

- Each new lot of QC will utilize a different group of value assignment partner laboratories as participants are not required to test every QC lot.
- Advance notification of when to expect samples will be sent out prior to testing.
- Instructions for testing and data entry forms are sent with all value assignment samples.
- Most tests are run in duplicate over three separate days.
- All testing must be completed within 4-6 weeks of receiving the samples.

### Compensation Options

- Monetary: This is typically based upon a flat fee per data point plus reagent costs. As this varies between test systems and methods, there is no standard amount. The different reimbursement options will be discussed prior to product shipment.
- MAS QC product: This is based upon the number of tests and MAS products being value assigned. QC product is given at the discretion of your sales representative. Further details will be provided by a member of the value assignment team.

### Participation Requirements

- CLIA certification or equivalent local accreditation.
- A completed W-9 form (US only).
- A completed survey noting instruments and testing capabilities.

### Steps to follow if you are interested in participating in the MAS Value Assignment Program

**Step 1:** Complete the form below.

**Step 2:** Fax this page to +1 510-771-1539 or email to [MGC-VA@thermofisher.com](mailto:MGC-VA@thermofisher.com).

**Step 3:** A value assignment introduction pack will be sent via mail or email. Please complete the forms and return to us.

**Step 4:** Once the introduction pack is received, a member of the value assignment team will notify you to discuss acceptance into the program and the different methods of compensation.

Lab Name: .....

Lab Address: .....

Contact Name: ..... Alternate Contact: .....

Phone Number: ..... Fax Number: .....

Email: ..... Accreditation #: .....

Fax to: **+1 510-771-1539**

Email to: **MGC-VA@thermofisher.com**



# Thermo Scientific MAS

## MAS Control References

Analytes

---

Instruments

---

Serology



# References | Analytes

Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK
17-OH-Progesterone										◆			◆	◆																
25-OH-Vitamin D													◆	◆																
Acetaminophen				◆						◆		◆	◆	◆											◆					◆
Acid Phosphatase				■																										
Adrenocorticotrophic Hormone													◆	◆				■												
Albumin (BCG)				◆	◆			◆	◆			◆													◆	◆		◆		
Albumin (BCP)				◆				◆	◆			◆													◆					
Aldosterone										◆			◆	◆																
Alkaline Phosphatase (ALP)				◆								◆													◆					
alpha-1-Acid Glycoprotein								◆	◆			◆																◆		
alpha-1-Antitrypsin								◆	◆			◆																◆		
alpha-2-Macroglobulin								◆	◆			◆																◆		
alpha-Fetoprotein (AFP)										◆			◆	◆				◆											◆	
Aldosterone													◆	◆																
Alanine Aminotransferase (ALT)				◆								◆													◆					
Amikacin				◆						◆		◆	◆	◆	◆															
Amitriptyline				◆											■															
Ammonia	◆																						◆							
Amphetamines							◆																							
Amylase				◆								◆											◆		◆					◆
Amylase (Pancreatic)				◆								◆																		
Anti-Cyclic Citrullinated Peptide (anti-CCP)									◆																					
Antistreptolysin O (ASO)								◆	◆			◆																◆		
Anti-Thyroglobulin (anti-Tg)													◆																	
Anti-Thyroid Peroxidase (anti-TPO)													◆																	
Antithrombin III								◆	◆																					
Apolipoprotein A1				◆				■	■			◆													◆			■		
Apolipoprotein B				◆				■	■			◆													◆			■		
Appearance																			◆	◆	◆									
Aspartate Amonitransferase (AST)				◆								◆													◆					
Barbiturates							◆										◆													
Benzodiazepines							◆										◆													
beta-2-Microglobulin								◆	◆			◆	◆	◆				◆										◆		
Human Chorionic Gonadotropin (beta-hCG)										◆	◆		◆	◆				◆											◆	
Bile Acids												◆																		
Bilirubin, Conjugated	◆			◆								◆																		

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

Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK
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			◆							◆	◆													◆					◆	
Carbon Dioxide (CO2)				◆							◆														◆					
Cocaine (Benzoyllecgonine)							◆																							
Color																			◆	◆	◆									
Cortisol										◆	◆	◆	◆					◆					◆							◆
Cotinine							◆																							
Copper											◆																			
Creatinine				◆							◆								◆	◆	◆	◆			◆					◆

◆ - Analyte present.

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

# References | Analytes

	Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK	
Crystals																			◆	◆	◆										
CYFRA 21-1																		■													
Cystatin C									◆																						
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				◆				◆	◆			◆								◆	◆	◆	◆			◆			◆		
Human Chorionic Gonadotropin (hCG)										◆	◆		◆	◆		◆		◆	◆	◆	◆	◆									
HDL Cholesterol				◆								◆														◆					
Hemoglobin (Urine Test)																◆			◆	◆	◆										
Hemoglobin A1c (HbA1c)						◆																					◆				
Homocysteine			◆							◆			◆	◆											◆					◆	
hsC-Reactive Protein (hsCRP)			◆								◆														◆						
Human Growth Hormone										◆			◆	◆																	
Imipramine				◆								◆																			
Immunoglobulin A (IgA)				■	■			◆	◆	■		◆														■	◆		◆	◆	
Immunoglobulin E (IgE)								◆	◆	■		◆	◆	◆														◆	◆		
Immunoglobulin G (IgG)				■	■			◆	◆	■		◆														■	◆		◆	◆	
Immunoglobulin M (IgM)				■	■			◆	◆	■		◆														■	◆		◆	◆	

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

Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK
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)											◆																			
N-acetylprocainamide (NAPA)				◆						◆		◆	◆	◆	◆										◆				◆	
N-Terminal Brain Natriuretic Peptide (NT-proBNP)											◆																			
Nitrite																◆			◆	◆	◆									
Nordiazepam										◆			◆	◆																
Nortriptyline				◆			◆					◆					◆													
NSE																		■												
Opiates (Morphine, Free)							◆																							
Osmolality				◆								◆							◆	◆	◆	◆								
Oxazepam							◆																							
Oxycodone							◆																							

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



# References | Analytes

Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Analyte	Alcohol/Ammonia	Bilirubin	CardiolImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardiolImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK
Prostatic Acid Phosphatase (PAP)													◆	◆				◆												
Parathyroid Hormone (PTH)													◆	◆																
pH																◆			◆	◆	◆	◆								
Phencyclidine (PCP)							◆																							
Phenobarbital				◆						◆		◆	◆	◆	◆										◆				◆	
Phenytoin				◆						◆		◆	◆	◆	◆										◆				◆	
Phenytoin (Free)													◆	◆																
Phosphorus				◆								◆										◆			◆					◆
Potassium				◆	◆							◆							◆	◆	◆	◆			◆	◆				◆
Prealbumin				◆	◆			◆	◆			◆													◆	◆		◆		
Pregency Associated Plasma Protein (PAPP-A)													■	■																
Primidone				◆						◆		◆	◆	◆	◆															
NT-proBNP			◆																					◆						
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 Cells (Urine Test)																			◆	◆	◆									
Rheumatoid Factor (RF)								◆	◆			◆																◆		
Salicylate				◆						◆		◆	◆	◆	◆										◆				◆	
Secobarbital							◆										◆													
Sex Hormone Binding Globulin (SHBG)														◆																
Sodium				◆	◆							◆							◆	◆	◆	◆			◆	◆				◆
Specific Gravity																◆			◆	◆	◆	◆								

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

	Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25	
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK		
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								◆	◆			◆														◆			◆			
Transferrin receptor (sTFR)									◆																							
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 Cells (Urine Test)																			◆	◆	◆											
Zinc												◆								◆	◆	◆										

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

# References | Instruments

	Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25	
Instruments		Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK	
ABBOTT																																
Alinity		◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆		◆	◆				◆									
Architect		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆	◆	◆	◆		◆	◆				◆									
ACON INTERNATIONAL																																
ACON Mission (Visual)																				◆	◆	◆										
Mission U120																				◆	◆	◆										
Mission U500																				◆	◆	◆										
ARKRAY																																
Arkray ADAMS HA-8160						◆																										
BECKMAN-COULTER																																
Access				◆					◆	◆	◆			◆	◆	◆			◆				◆									
AU Series		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆			◆		◆					◆									
ICON																						◆	◆									
ICON/11/25/20																					◆	◆										
Image					◆				◆	◆											◆	◆	◆									
Synchron CX/LX		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆			◆		◆					◆									
UniCel Dxl				◆					◆	◆	◆			◆	◆	◆			◆				◆									
UniCel DxC Synchron		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆			◆		◆					◆									
BIOLIS																																
24i Clinical Systems					◆																											
BIOMERIEUX																																
Vidas Systems					◆						◆	◆		◆	◆																	
BIOVATION																																
Biovation																				◆	◆	◆										
BIO-RAD																																
DiaSTAT							◆																									
D-10							◆																									
Variant/Variant II							◆																									
COLE TAYLOR MARKETING, INC. (VISUAL)																																
Cole Taylor (on CT-120)																				◆	◆											
Cole Taylor (on Clinitek)																						◆										
DFI DIAGNOSTICS																																
DFI ComboStik (Visual)																				◆	◆											
DFI ComboStik Series																				◆	◆											
DFI ComboStik CYBOW (Visual)																				◆	◆											

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

	Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Instruments	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK	
DFI ComboStick CYBOW Series																			◆	◆											
DFI 10 +/- DUS (Visual)																			◆	◆											
DFI DU Reader 300																			◆	◆											
DFI DUS R-300																			◆	◆											
ERBA DIAGNOSTICS																															
ERBA Urodip (Visual)																			◆	◆											
ERBA Urodipcheck 300																			◆	◆											
FISHERBRAND																															
Sure-View																			◆	◆	◆	◆									
UriSystem																			◆	◆	◆										
Fisherbrand (Visual)																			◆	◆	◆										
Fisherbrand (on Clinitek)																			◆	◆	◆										
GENZYME CORPORATION																															
OSOM HcG Combo																			◆	◆	◆	◆									
Signify																			■	■	◆	◆									
CONTRAST II																			■	■		◆									
HORIBA																															
HORIBA Yumizen M100 Banalyst						◆																									
HYPOGUARD																															
DiaScreen 10 (visual)																			◆	◆		◆									
DiaScreen 50																			◆	◆		◆									
IRIS DIAGNOSTICS																															
Aution MAX AX-4280																			◆	◆	◆										
Aution MAX IQ200 Combo																			◆	◆	◆										
Aution MAX AX-4280/JET																			◆	◆											
Aution Max AX-4030																			◆	◆	◆										
Aution Eleven																			◆	◆											
iChem 100																			◆	◆	◆	■									
iQ200																			◆	◆	◆	■									
MACHEREY-NAGEL																															
URYXXON 300																			◆	◆											
URYXXON Relax																			◆	◆											
ORTHO CLINICAL DIAGNOSTICS																															
VITROS 250/350	◆				◆							◆											◆								
VITROS ECiQ			◆										◆																		

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

# References | Instruments

	Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25	
Instruments		Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrighemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrighemTRAK	
VITROS XT 3400		◆				◆								◆									◆									
VITROS 3600				◆									◆																			
VITROS 4600		◆		◆		◆	◆						◆										◆									
VITROS 5600		◆		◆		◆	◆						◆	◆									◆									
VITROS XT 7600		◆		◆		◆	◆						◆	◆									◆									
QUIDEL CORPORATION																																
QuickVue (visual)																				◆	◆	◆										
UrinQuick																				◆	◆											
ROCHE																																
Cobas c/e modules		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆	◆	◆	◆			◆				◆									
Chemstrip 101																				◆	◆	◆										
Cobas Integra		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆			◆							◆									
Criterion 1/11																				◆	◆	◆										
CUA/SUA																				◆	◆	◆										
Elecsys				◆							◆			◆	◆	◆			◆													
Hitachi/Modular Analytics E170		◆	◆	◆	◆	◆	◆		◆	◆	◆		◆	◆	◆	◆		◆	◆	◆	◆		◆									
Micral																				◆	◆	◆										
Mini UA																				◆	◆	◆										
Reagent Strip (visual)																				◆	◆	◆										
Urisys 1800/2400/1100																				◆	◆											
SIEMENS HEALTHCARE																																
Acetest																				◆	◆	◆										
Advia 1650/2400		◆	◆		◆	◆	◆		◆	◆	■		◆			◆		◆					◆									
Advia Centaur				◆					◆	◆	◆			◆	◆								◆									
Atellica		◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆		◆	◆				◆									
Altas																				◆	◆	◆										
BNA																						◆										
BN II/Prospec				◆	◆		◆		◆	◆						■							■	◆								
Clinitek Series																					◆	◆	◆									
Clinitest																				◆	◆	◆										
DCA 2000/Vantage							◆																■									
Dimension Series		◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆		◆			◆	◆	◆	◆	◆									
Dimension VISTA EXL		◆	◆	◆	◆	◆	◆		◆	◆	◆	◆*	◆	◆	◆	◆							◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dimension VISTA		◆	◆	◆	◆	◆	◆		◆	◆	◆	◆*	◆	◆	◆	◆							◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dimension VISTA Xpand		◆	◆	◆	◆	◆	◆		◆	◆	◆	◆*	◆	◆	◆	◆							◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

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

\* Omni•CARDIO does support Siemens Dimension Vista but is not included in Vista vial configuration.



	Page	9	9	14	8	16	14	17	16	16	12	5	4	6	6	13	11	17	13	10	10	10	11	22	22	23	23	24	24	25	25
Instruments		Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	Immunology Advanced	Liquimmune	Omni•CARDIO	Omni•CORE	Omni•Immune	Omni•Immune PRO	PAR TDM	Sentry Urine Dipstick Control	TOX Control	T-Marker	UA Control	UA Dip Tube	Urinalysis	UrichemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UrichemTRAK
Ictotest																				◆	◆	◆									
Immulite/Immulite 2000				◆			◆		◆	◆	◆			◆	◆	◆			◆												
Micro-Bumintest																				◆	◆	◆									
Reagent Strip (visual)																				◆	◆	◆									
Status																				◆	◆	◆									
Stratus CS				◆								◆																			
Viva Systems											◆					◆															
THERMO FISHER SCIENTIFIC																															
Indiko					◆								◆				◆														
Konelab Systems				◆	◆	◆										◆															
B-R-A-H-M-S KRYPTOR												◆		◆	◆				◆												
MGC240																◆		◆													
TOSOH BIOSCIENCES																															
AIA Series				◆			◆				◆			◆	◆	◆			◆												
A1c 2.2 Plus							◆																								
G7/G8							◆																								
YD DIAGNOSTICS																															
Uriscan (Visual)																				◆	◆	◆									
Uriscan Pro II																				◆	◆	◆									
Uriscan Optima II																				◆	◆	◆									
Uriscan Mini																						◆									
Uriscan Super																				◆	◆										
OTHER																															
Arteray Monarini							◆																								
Bilirubinometer			◆		◆																										
Coverslip																				◆	◆	◆									
Diastix (Bayer)																				◆	◆	◆									
Emit				◆							◆					◆															
Flame Photometer				◆	◆						■					◆				◆	◆		◆								
A1CNow							◆																								
Osmometer				◆									◆										◆								
pH Meter																				◆	◆										
Refractometer																				◆	◆	◆									
Thermo Electron Pocketchem																				◆	◆	◆									

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

## References | Serology

Part Number	Product	Analyte	Abbott Architect	Abbott Alinity	Siemens Atellica	Roche Elecsys
10027480	MAS Omni•Infectious BSI Positive Control Panel	HBsAg	Positive	Positive	Positive	Not tested
		Anti-HIV	Positive	Not tested	Positive	Not tested
		Anti-HTLV	Positive	Not tested	Not tested	Not tested
		Anti-HBc	Positive	Positive	Positive	Not tested
		Anti-HCV	Positive	Positive	Positive	Not tested
		Anti-HBs	Positive	Positive	Positive	Not tested
10027481	MAS HIV p24 Positive Control	HIV p24	Positive	Not tested	Positive	Not tested
10027483	MAS Syphilis Positive Control	Anti-TP (syphilis)	Positive	Positive	Positive	Not tested
10027482	MAS anti-HBs Positive Control	anti-HBs	Positive	Positive	Not tested	Not tested
10027484	MAS Infectious Negative Control	HBsAg	Non reactive	Non reactive	Non reactive	Not tested
		Anti-HIV		Not Tested	Non reactive	Not tested
		Anti-HTLV		Not Tested	Not Tested	Not tested
		Anti-HBc		Non reactive	Non reactive	Not tested
		Anti-HCV		Non reactive	Non reactive	Not tested
		Anti-HBs		Non reactive	Non reactive	Not tested
10028305	MAS SARS-CoV-2 IgG Positive Control	IgG Antibodies to SARS-CoV-2	Positive			Positive
10028306	MAS SARS-CoV-2 Negative Control	Negative to SARS-CoV-2	Non reactive			Non reactive

Architect™ and Alinity™: Abbott Laboratories, Abbott Park, IL

Mission™: ACON International

Arkay ADAMS HA 8160™, Arkay Inc.

Multistix™: Ascensia Diabetes Care

Access™, AU™ Series, Immage™, CX/LX™, ICON™, ICON 11/25/20™, SYNCHRON™ UniCel DxI™ and UniCel DxCTM: Beckman Coulter Inc., Brea, CA

VIDAS™ Systems: bioMérieux

DiaSTAT™, D-10™ and Variant/Variant™ II: Bio-Rad Laboratories, Hercules, CA

Biovation™: Biovation Inc., Hercules, CA

Bolis 24i™ Clinical Chemistry Analyzer: Carolina Liquid Chemistries Corp.

DFI ComboStik™ (Visual), DFI ComboStik™ Series, DFI ComboStik™ CYBOW (Visual), DFI ComboStik™ CYBOW Series, DFI 10 +/- DUS (Visual), DFI DU Reader 300, DFI DUS R-300: DFI DIAGNOSTICS

SPAplus™: The Binding Site Group Ltd, Birmingham, UK

ERBA Urodip™ (Visual), ERBA Urodipcheck 300™: ERBA Diagnostics

Fisherbrand™, UriSystem™ and Sure-Vue™: Fisher Scientific, Pittsburgh, PA

CONTRAST II™, OSOM™ and Signify™: Genzyme Corp. Cambridge, MA

HemoCue™: HemoCue

HORIBA Yumizen M100 Banalyst™, HORIBA, Japan

DiaScreen™ 10 and DiaScreen™ 50: Hypoguard, Minneapolis, MN

Aution™ MAX AX-4280, Aution™ MAX IQ200 Combo, Aution™ MAX AX-4280/JET, Aution™ Max AX-4030m, Aution™ Eleven, iChem100™ and IQ200™: International Remote Imaging Systems Inc., Chatsworth, CA

URYXXON® 300, URYXXON® Relax: MACHEREY-NAGEL Inc.

Vitros™: Ortho Clinical Diagnostics, Rochester, NY

QuickVue™ and UrinQuick™: Quidel Corporation, San Diego, CA

Cobas™ c/e modules, Elecsys™, Hitachi™ Series, Cobas Integra™, Modular Analytics E170, Criterion 1/11™, CUA/SUA, MiniUA™, Chemstrip 101™, Urisys 1100/1800™, Urisys 2400 and Micral™: Roche Diagnostics, Indianapolis, IN

Advia Centaur™, Advia 1650/2400™, Atellica™, Atlas™, BNA/BN II™, BN ProSpec™, Clinitek Series™, Clinitest™, DCA 2000™, Dimension™, Dimension™ EXL, Dimension™ VISTA, Dimension™ Xpand, Ictotest™, Immulite™/Immulite™200, Microbumintest™, Status™ and Stratus™ CS: Siemens Healthcare Diagnostics, Los Angeles, CA; Glasgow, DE; and Tarrytown, NY

AlA™ Series, A1c 2.2 Plus and G7/G8: Tosoh Medics Inc., S. San Francisco, CA

URiSCAN® (Visual), URiSCAN® Pro II, URiSCAN® Optima II, URiSCAN® Mini, URiSCAN® Super: YD Diagnostics Corp. Songpa-ku, Seoul, Korea

A1CNow™: PTS Diagnostics, Tarrytown, NY. Now owned and distributed by PTS Diagnostics, Sunnyvale, CA

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

**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 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.





# The value of innovation A history of quality

---

## 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. 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  
SDG.HK.Sales@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

### Russia

Tel. +7 495 739 76 41  
info.btd.moscow@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

Find out more at [thermofisher.com/diagnostics](https://thermofisher.com/diagnostics)

Availability of product in each country depends on local regulatory marketing authorization status.

© 2021 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. Refer to page 45 for additional trademark details used in this publications.  
CDD-FR-MTL-0276 A4 International Catalog

**ThermoFisher**  
SCIENTIFIC