



# Simplifying your quality controls

Thermo Scientific MAS Quality Control Products  
LabLink xL Quality Assurance Program

North America Catalog

Discover  
#MASproductivity



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# 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

#### 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<sub>2</sub>)  
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)

\* 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
<b>OCRD-UL</b>	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
<b>OCRD-L</b>	Low			
<b>OCRD-101</b>	1			
<b>OCRD-202</b>	2			
<b>OCRD-303</b>	3			
<b>OCRD-MP</b>	Tri-Level Multi-Pack (2 vials each level 1/2/3)			

### Analytes

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

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
<b>OIM-101</b>	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
<b>OIM-202</b>	2			
<b>OIM-303</b>	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
<b>OPRO-101</b>	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
<b>OPRO-202</b>	2			
<b>OPRO-303</b>	3			

### Analytes

#### New Specialty Tests

25-Hydroxy Vitamin D  
Anti-Thyroglobulin (Anti-Tg) (PRO)  
Anti-Thyroid Peroxidase (Anti-TPO) (PRO)  
C-Peptide  
Estradiol, 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

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)

#### TDM/Toxicology Tests

Acetaminophen  
Amikacin  
Benzodiazepine (Nordiazepam)  
Carbamazepine  
Digoxin  
Disopyramide  
Ethosuximide

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



## Value assignment for Omni Controls\*

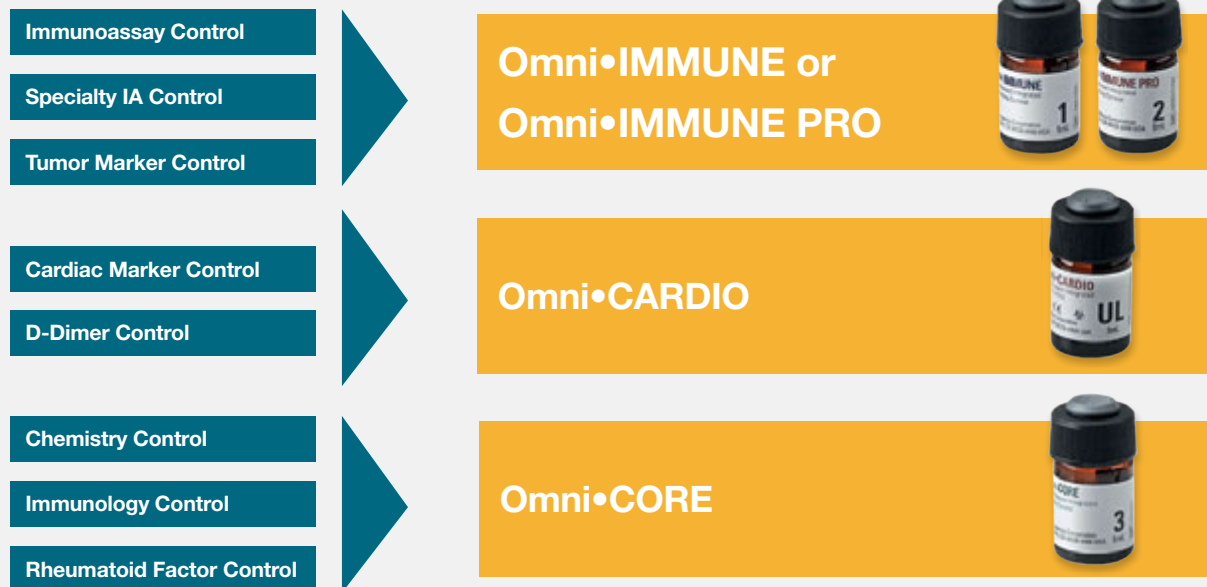
Target values are provided for the key integrated instrument platforms available in the market place.

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



# 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
<b>CHA-1</b>	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
<b>CHA-2</b>	2			
<b>CHA-3</b>	3			
<b>CHU-1</b>	1	10 x 15 mL Unassayed		
<b>CHU-2</b>	2			
<b>CHU-3</b>	3			

### Analytes

Acetaminophen	Carbon Dioxide (CO <sub>2</sub> )	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 (FT <sub>4</sub> )*
Apolipoprotein B	Ethosuximide	Lithium	Thyroxine, Total (TT <sub>4</sub> )
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 (FT <sub>3</sub> )*
Blood Urea Nitrogen (BUN)	HBDH*	Phosphorus	Triiodothyronine, Total (TT <sub>3</sub> )*
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		

\* 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.

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





### 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.

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

### Analytes

Ammonia  
Ethanol

### 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.

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			

### Analytes

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

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.

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

# 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 (normal)	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		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		

#### 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 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 (abnormal)	4 x 15 mL	12 month shelf life @ 2 to 8 °C from date of manufacture 30 days open-vial @ 2 to 8 °C 18 month shelf life @ 2 to 8 °C from date of manufacture 30 days open-vial @ 2 to 8 °C	Human Urine
024225		4 x 60 mL		
024224	3 (normal)	4 x 15 mL		
024227		4 x 60 mL		

#### 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	

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.

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



### 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 Mutistix, 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	1	6 x 15 mL	24 month shelf life @ 2 to 8 °C from date of manufacture	Human Urine
UR22002	2			
UR-MP	Bi-level, Multi-Pack			

### Analytes

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

\* 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.

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

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

\* 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.

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

## 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			

## 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 90 days unopened @ 2 to 8 °C 30 days open-vial @ 2 to 8 °C	Human Serum
TUM-202	2			
TUM-303	3			

\* 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.

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

### Analytes

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

### Analytes

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



# Thermo Scientific MAS

## Cardiac & Diabetes Controls



### MAS CardiImmune•XL

The Thermo Scientific™ MAS™ CardiImmune™•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 BNP32, 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 CardiImmune 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

### 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.

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

#### Analytes

Hemoglobin A1c (HbA1c)

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.

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

# 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	Ferritin*
Alpha-1-Antitrypsin	Haptoglobin
Alpha-2-Macroglobulin	Immunoglobulin A (IgA)
Antistreptolysin O	Immunoglobulin E (IgE)
Antithrombin III	Immunoglobulin G (IgG)
Apha-1-Acid-Glycoprotein	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

### 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 as well as for cellulose acetate and agarose gel electrophoresis. 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)*	

\* 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.

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

# 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). 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	Methaqualone
Benzoylcegonine	Morphine, free
Buprenorphine	Nitrazepam
Cotinine	Nortriptyline
d-Methamphetamine	Oxazepam
EDDP	Oxycodone
Ethanol	Phencyclidine
Ethyl Glucuronide	Propoxyphene
LSD	Secobarbital
Metadone	

### 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)

\* 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.

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



# 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 CardiImmune•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	2			
10014182	3			

#### Analytes

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

### MAS Diabetes

Part Number	Level	Bottles & Size	Storage & Stability	Matrix
DBCL-V	Bi-level Multi-Pack	6 x 2 mL	24 month shelf life @ -25 to -15 °C from date of manufacture 7 days onboard instrument	Human Whole Blood

#### Analytes

Hemoglobin A1c (HbA1c)

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

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

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

## 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	Total Protein
Calcium	Glucose	Potassium	Urea Nitrogen
Chloride	Magnesium	Sodium	Uric Acid
Cortisol	Microalbumin		

\* 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 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

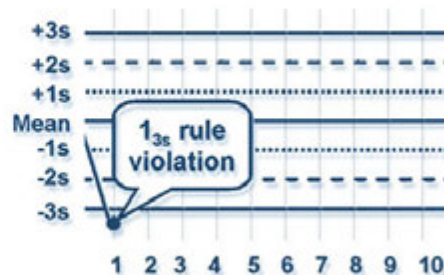
## Troubleshoot faster with real-time peer comparison



## 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

Comparison	✓
Levey-Jennings	✓
QC Summary	✓

### Errors and Exceptions

Affiliated Exception Notes	
Exception Notes	

### Peer Data Comparison

Affiliated Lab	✓
Condensed Interlab	
Drugs of Abuse	✓
Individual Lab	
Instrument Interlab	
Method Performance	✓
Monthly Summary	
Statistical Summary	✓
Summary Urinalysis	
Youden	✓

### Audit History

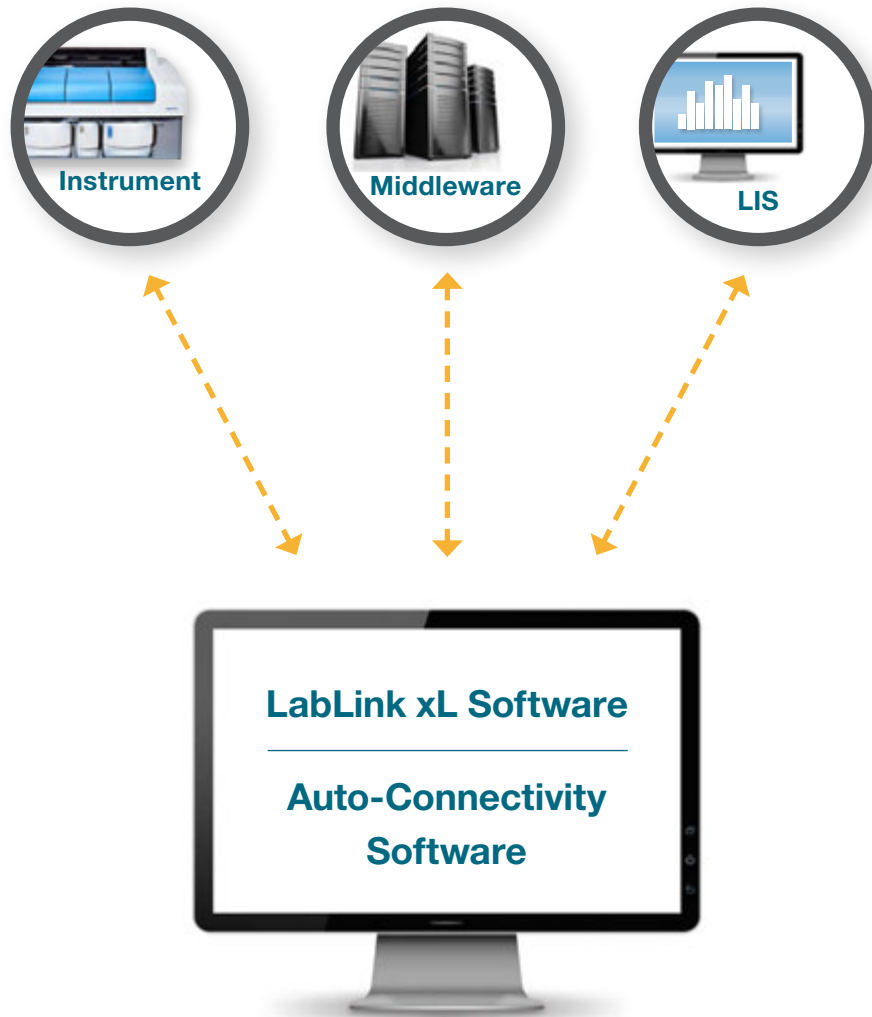
Audit	✓
Point Data Submission	✓
Summary Data Submission	✓

### Region Specific

Rilibak Data Summary	
Rilibak	✓

✓ **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**



# Reference and Ordering

Analytes

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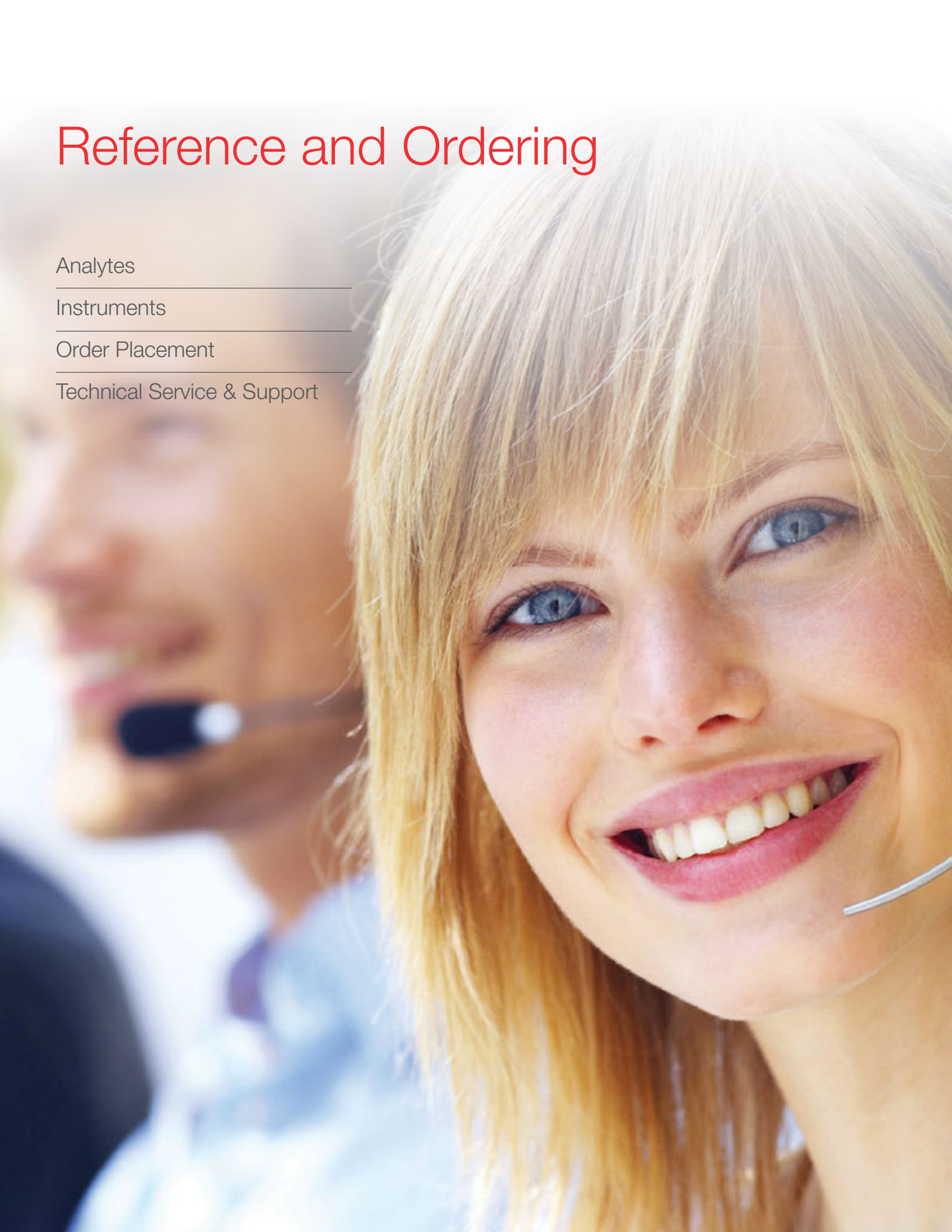
Instruments

---

Order Placement

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Technical Service & Support



# References

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Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	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)				◆							◆																			
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		◆		◆							◆																			
Bilirubin, Direct		◆		◆							◆														◆					
Bilirubin, Neonatal		◆		◆							◆																			
Bilirubin, Total		◆		◆							◆														◆					
Bilirubin, Unconjugated		◆		◆							◆																			
Bilirubin, Urine															◆			◆	◆	◆										
BNP 32			◆							◆																				
Blood Urea Nitrogen (BUN)				◆							◆														◆					
Buprenorphine							◆																							

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

Page	9	9	14	8	15	14	16	15	12	5	4	6	6	13	11	16	13	10	10	10	11	17	17	18	18	17	18	19	19
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	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

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 (Benzoylcegonine)							◆																						
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)												◆	◆																

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

# References

Page	9	9	14	8	15	14	16	15	12	5	4	6	6	13	11	16	13	10	10	10	11	17	17	18	18	17	18	19	19
Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	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
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)				■	■			◆	■		◆													■	◆		◆	◆	◆
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															◆			◆	◆	◆	◆	◆							◆

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

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Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	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		
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							◆																								
Prostatic Acid Phosphatase (PAP)												◆	◆					◆													
Parathyroid Hormone (PTH)												◆	◆																		
pH															◆				◆	◆	◆	◆									
Phencyclidine (PCP)							◆																								
Phenobarbital				◆					◆		◆	◆	◆	◆										◆					◆		
Phenytoin				◆					◆		◆	◆	◆	◆										◆					◆		
Phenytoin (Free)												◆	◆																		
Phosphorus				◆							◆												◆		◆					◆	
Potassium				◆	◆						◆								◆	◆	◆	◆		◆	◆	◆				◆	
Prealbumin				◆	◆			◆			◆													◆	◆		◆				
Pregnancy Associated Plasma Protein (PAPP-A)												■	■																		
Primidone				◆					◆		◆	◆	◆	◆																	
NT-proBNP			◆																					◆							
Procalcitonin (PCT)										◆		◆	◆																		
Procainamide				◆					◆		◆	◆	◆	◆											◆				◆		
Progesterone									◆			◆	◆	◆																	
Prolactin									◆			◆	◆					◆													
Properdin Factor B								◆																					◆		
Propoxyphene							◆																								
Protein Electrophoresis					◆																										
Prostate Specific Antigen, Total (TPSA)									◆			◆	◆					◆											◆		

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

# References

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Analyte	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	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
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															◆			◆	◆	◆	◆								◆
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 Cells (Urine Test)																		◆	◆	◆									◆
Zinc											◆																		

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<b>Instrument</b>	Alcohol/Ammonia	Bilirubin	CardioImmune•XL	chemTRAK•H	CSF	Diabetes	DOA TOTAL	Immunology	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	UricchemTRAK	Vista Alcohol/Ammonia	Vista CardioImmune•XL	Vista chemTRAK•H	Vista CSF	Vista Diabetes	Vista Immunology	Vista Liquimmune	Vista UricchemTRAK

<b>ABBOTT</b>																														
Alinity	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆		◆	◆					◆								
Architect	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆	◆	◆		◆	◆					◆								
<b>ACON INTERNATIONAL</b>																														
ACON Mission (Visual)																			◆	◆	◆									
Mission U120																			◆	◆	◆									
Mission U500																			◆	◆	◆									
<b>BECKMAN-COULTER</b>																														
Access			◆					◆	◆			◆	◆	◆		◆						◆								
AU Series	◆	◆	◆	◆	◆	◆		◆	◆		◆			◆		◆						◆								
ICON																						◆	◆							
ICON/11/25/20																			◆	◆										
Immage				◆				◆											◆	◆	◆									
Synchron CX/LX	◆	◆	◆	◆	◆	◆		◆	◆		◆			◆		◆						◆								
UniCel Dxl			◆					◆	◆		◆	◆	◆			◆						◆								
UniCel DxC Synchron	◆	◆	◆	◆	◆	◆		◆	◆		◆			◆		◆						◆								
<b>BIOLIS</b>																														
24i Clinical Systems			◆																											
<b>BIOMERIEUX</b>																														
Vidas Systems			◆					◆	◆		◆	◆																		
<b>BIOVIATION</b>																														
Biovation																			◆	◆	◆									
<b>BIO-RAD</b>																														
DiaSTAT						◆																								
D-10						◆																								
Variant/Variant II						◆																								
<b>COLE TAYLOR MARKETING, INC. (VISUAL)</b>																														
Cole Taylor (on CT-120)																			◆	◆										
Cole Taylor (on Clinitek)																						◆								
<b>DFI DIAGNOSTICS</b>																														
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																			◆	◆										
<b>ERBA DIAGNOSTICS</b>																														
ERBA Urodip (Visual)																			◆	◆										
ERBA Urodipcheck 300																			◆	◆										

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

# References

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## FISHERBRAND

Sure-Vue																		◆	◆	◆	◆								
UriSystem																			◆	◆	◆								
Fisherbrand (Visual)																			◆	◆	◆								
Fisherbrand (on Clinitek)																			◆	◆	◆								

## GENZYME CORPORATION

OSOM HcG Combo																			◆	◆	◆	◆							
Signify																			■	■	◆	◆							
CONTRAST II																			■	■		◆							

## 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	◆	◆		◆	◆			◆	◆		◆		◆									◆							
Vitros EC1/3600			◆						◆		◆	◆	◆			◆						◆							
Vitros 5,1 FS	◆	◆		◆	◆	◆		◆	◆		◆		◆									◆							
Vitros 4600/5600	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆	◆			◆						◆							

## QUIDEL CORPORATION

QuickVue (visual)																			◆	◆	◆								
UrinQuick																			◆	◆									

## ROCHE

Cobas c/e modules	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆	◆	◆			◆					◆							
Chemstrip 101																			◆	◆	◆								
Cobas Integra	◆	◆	◆	◆	◆	◆		◆	◆		◆		◆									◆							
Criterion 1/11																			◆	◆	◆								
CJA/SUA																			◆	◆	◆								
Elecsys			◆					◆			◆	◆	◆				◆												
Hitachi/Modular Analytics E170	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆	◆		◆	◆			◆	◆	◆	◆							
Micral																			◆	◆	◆								
Mini UA																			◆	◆	◆								
Reagent Strip (visual)																			◆	◆	◆								
Urisys 1800/2400/1100																			◆	◆									

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**SIEMENS HEALTHCARE**

Acetest																		◆	◆	◆										
Advia 1650/2400	◆	◆		◆	◆	◆		◆	■		◆				◆		◆					◆								
Advia Centaur			◆					◆	◆		◆	◆	◆									◆								
Atellica	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆		◆	◆					◆								
Altas																		◆	◆	◆										
BNA																														
BN II/Prospec			◆	◆		◆		◆							■							◆								
Clinitek Series																		◆	◆	◆										
Clinitest																		◆	◆	◆										
DCA 2000/Vantage							◆																■							
Dimension Series	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆			◆	◆	◆	◆	◆	◆								
Dimension VISTA	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆	◆	◆								◆	◆	◆	◆	◆	◆	◆	◆	◆
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																		◆	◆												

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# References

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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.

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

Access™, AU™ Series, Immage™, CX/LX™, ICON™, ICON 11/25/20™, SYNCHRON™ UniCel DxI™ and UniCel DxC™: 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

Biolis 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

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™, Vitros™ ECI, Vitros 5,1 FS and Vitros 5600™: 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/VN II™, BN ProSpec™, Clinitek Series™, Clinitest™, DCA 2000™, Dimension™, Dimension™ VISTA, Dimension™ Xpand, Ictotest™, Immulite™/Immulite™200, Microbumintest™, Status™ and Stratus™ CS: Siemens Healthcare Diagnostics, Los Angeles, CA; Glasgow, DE; and Tarrytown, NY

AIA™ 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

# General Ordering Information

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Minimum Orders: We have a minimum order requirement of \$100.

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## Technical Service & Support

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