



**CLINICAL  
DIAGNOSTICS**

Independent Quality Controls and  
Informatic Software Solutions for  
Roche **cobas**® Systems



**TECHNOPATH**  
CLINICAL DIAGNOSTICS

## Dear Reader,

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### Independent Serology Quality Control Materials for Roche Systems

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## RECLAIM STORAGE SPACE



## REDUCE QC HANDLING TIME & ERRORS



## REDUCE DEAD VOLUME WASTE

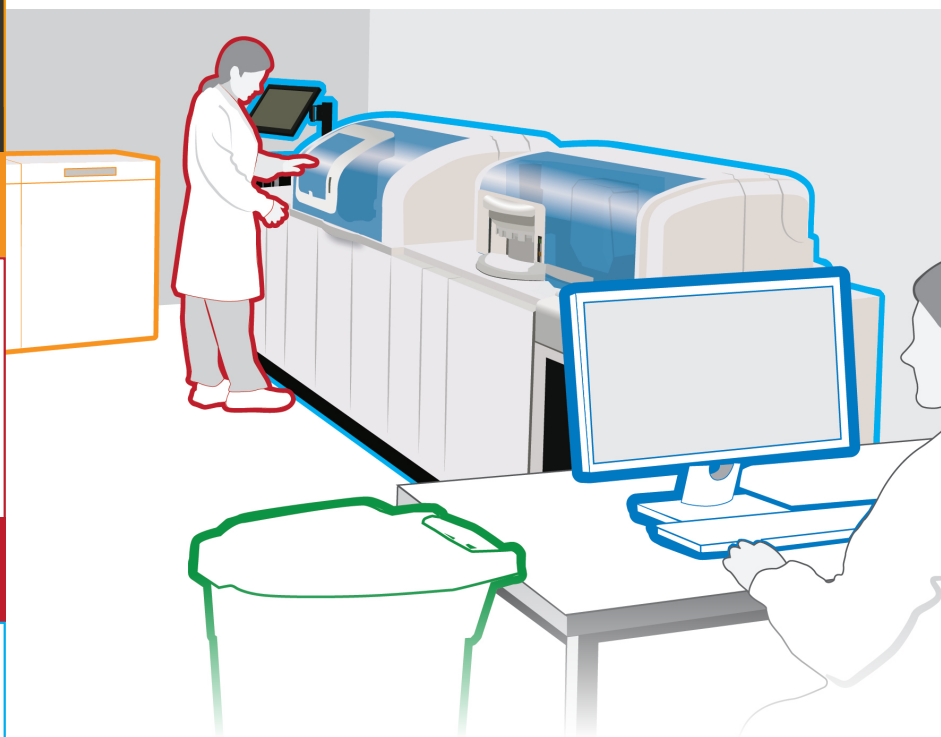


## REDUCE QC ANALYSIS TIME WITH IAMQC®



## REDUCE CONSUMABLE WASTE

# Enhance laboratory efficiencies with Technopath Clinical Diagnostics QC solutions



## Reclaim storage space

Switching to a consolidated solution frees up space in the laboratory freezer which can ultimately be used for alternative purposes or to hold stock of QC that will cover a much longer time period.

## Reduce QC handling time and errors

Consolidating QC materials results in significant labour savings by reducing the handling requirements involved in running a QC process. Independent studies have also shown that a reduction in the physical numbers of internal quality control vials can lead to a reduction in transposition errors made by laboratory staff.

## Reduce dead volume waste

Consolidating a number of products in to one leads to a reduction in dead volume waste, which in turn means a reduction in the overall volume of QC material required to be purchased.

## Reduce QC analysis time

Automated connectivity solutions with IAMQC® interlaboratory peer program, streamlines data collection thus reducing QC analysis time.

## Reduce weight of consumable waste

Fewer vials and less packaging means a laboratory will produce less waste, significantly reducing it's carbon footprint.

## Technopath and Roche help your laboratory achieve greater efficiencies in QC processes through reduced handling time, reduced costs and barcoded vials.



### **Accreditation/regulatory compliance**

Independent QC material facilitates meeting accreditation and regulatory guidelines, such as CLIA, CLSI, CAP, ISO and RiliBÄK.



### **Targeted at clinical decision points**

Controls material targeted at clinical decision points helps improve clinicians' confidence in the validity of test results.



### **Value assigned**

Value assignment saves technologist time when setting up initial reference intervals.



### **Automated configuration of new QC lots**

Faster turn around time for quality control set up. Use the automated QC configuration process to upload the QC targets and ranges directly on to your Roche system, reducing errors and increasing productivity.



### **Human-based matrices**

Human-based matrices provide patient-like performance to increase confidence in QC material results.



### **Reduction in handling errors**

All Technopath Multichem controls are liquid, meaning no reconstitution of lyophilised controls.



### **Streamlined supply chain**

Reduction in the number of part numbers to be purchased streamlines the supply chain. Fewer part numbers equates to a lower number of lots to manage.



### **Inter-Lab QC Comparison Reports**

Technopath IAMQC® Peer software offers Six-Sigma, Levey-Jennings, Youden, Bias, Group Coordinator, Measurement of Uncertainty, Monthly Summary, and Exceptions reports to give your laboratory the information it requires to monitor QC. Multiple languages are supported. <sup>[1] [2]</sup>

1. "The laboratory shall participate in inter-laboratory comparisons ...." ISO15189:2022.

2. "[A] laboratory should actively participate in inter-laboratory QC programs when such programs are available." CLSI C-24 4<sup>th</sup> edition.

## A Guide on How to Access and Review Multichem Instructions for Use (IFU)

Multichem independent third party quality control (QC) materials are classed as in-vitro diagnostic medical devices. Therefore, it is important that the Instructions For Use (IFU) for each lot is read and adhered to.

The IFU contains important information in relation to:

- Precautions that users should take while handling the product
- Procedure for use
- Storage, stability and exceptions where applicable
- Limitations of the product
- Representative values, specific to each lot of product



## Accessing Multichem IFUs <https://eifu.technopathcd.com/>

Multichem IFUs for Roche **cobas**® are available from the Technopath eIFU website.

Go to: **1** <https://eifu.technopathcd.com/>

Select language from the dropdown menu **2**

Select the product from the dropdown menu **3** Product

Select the lot number **4** Lot No

| # | Part Number |
|---|-------------|
| 1 | 00000000000 |

**Document**

[COA Multichem product <partcode> <lot no.>](#)

[Customer Communication CC0000 Rev 00](#)

**Download IFU** **5** [IFU Multichem.pdf](#)

*'Customer Communication' provides notifications of updates or changes in addition to the IFU*

## Important information contained in the Multichem IFU

All details contained with the IFU are important. For daily running of QC, particular attention should be given to the sections below.

### Precautions

#### PRECAUTIONS

**Warning: Biological source material. Treat as potentially infectious.**

- For In Vitro Diagnostic Use.

All users should make themselves familiar with the precautions set out in the IFU. This information will help the user to take the necessary steps for the safe handling of materials.

### Procedure for Use

#### PROCEDURE FOR USE

This product should be treated the same as patient specimens and run in accordance with the instructions accompanying the instrument, kit, or reagent

Procedure for use varies between different Multichem controls. Laboratory personnel should review product specific handling information.

### Storage

#### STORAGE

This product will be stable until the expiration date when stored unopened

Multichem control storage requirements vary between products. Multichem quality controls are stable until the expiration date when stored correctly.

### Product Stability & Exceptions

| STABILITY                       |          |
|---------------------------------|----------|
| Analyte stability located here. |          |
| EXCEPTIONS                      |          |
| Analyte                         | Duration |
| -                               | -        |

Review each lot number for product specific stability claims and exceptions

### Limitations

#### LIMITATIONS

- Do not use the product past the expiration date.
- If there is evidence of microbial contamination or excessive turbidity in the product, discard the tube.

Refer to the material limitations, ensuring correct use of the product.

### Representative Values

| Roche Systems |            | Applications included in the automated data transfer |  | UNITS | LEVEL LOT NO |     |     |         |
|---------------|------------|------------------------------------------------------|--|-------|--------------|-----|-----|---------|
| ANALYTES      | Short Name | ACN                                                  |  |       | Mean         | Min | Max | Std Dev |

Analyte target values and ranges are provided in the IFU. Values are derived from multiple replicates and are specific for each lot.

Target values and ranges can be downloaded onto compatible **cobas**® instruments via Cobas Link.

## Never Miss an IFU Update!

Sign up for notifications of updates to Multichem IFUs

**SIGN UP HERE**

or visit

[www.technopathclinicaldiagnostics.com/landing-pages/sign-up-for-notification-of-changes-to-ifus/](http://www.technopathclinicaldiagnostics.com/landing-pages/sign-up-for-notification-of-changes-to-ifus/)

## Independent quality controls for Roche cobas® systems

### Multichem® IA Plus

Test consolidation for immunoassay quality control in a liquid stable format



### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Test consolidated immunoassay control includes general IA, cardiac markers and tumor markers
- Assayed and value assigned for Roche **cobas**® systems
- Tri-level utility

### Specifications

- 36 month closed vial stability at -20°C to -80°C
- 10 day open vial stability at 2°C to 8°C\*

| Product           | Description     | Configuration   | PART NO     |
|-------------------|-----------------|-----------------|-------------|
| Multichem IA Plus | Assayed Level 1 | 12 x 4mL (48mL) | 09339825190 |
|                   | Assayed Level 2 | 12 x 4mL (48mL) | 09339841190 |
|                   | Assayed Level 3 | 12 x 4mL (48mL) | 09339850190 |

### Analytes with performance and stability claims\*:

|                                      |                                              |                                     |
|--------------------------------------|----------------------------------------------|-------------------------------------|
| Adrenocorticotrophic hormone (ACTH)  | Ferritin                                     | Prolactin                           |
| Alpha-Fetoprotein (AFP)              | Folate                                       | Prostate Specific Antigen, Free     |
| Androstenedione                      | Folicle Stimulating Hormone (FSH)            | Prostate Specific Antigen, Total    |
| Anti-Thyroglobulin (Anti-Tg)         | Human Chorionic Gonadotropin +β (hCG+β) STAT | Sex Hormone Binding Globulin (SHBG) |
| Anti-Thyroperoxidase (Anti-TPO)      | Human Chorionic Gonadotropin +β (hCG+β)      | T Uptake                            |
| CA 125                               | Human Growth Hormone (hGH)                   | Testosterone                        |
| CA 15-3                              | IGF-1                                        | Thyroglobulin (Tg)                  |
| CA 19-9                              | Immunoglobulin E (IgE)                       | Thyroid Stimulating Hormone (TSH)   |
| Calcitonin                           | Insulin                                      | Thyroxine, Free (FT4)               |
| Carcinogenic Embryonic Antigen (CEA) | Leutinizing Hormone (LH)                     | Total T3                            |
| CK-MB                                | Myoglobin                                    | Total T4                            |
| Cortisol                             | Parathyroid Hormone (PTH)                    | Triiodothyronine, Free (FT3)        |
| C-Peptide                            | Parathyroid Hormone 1 - 84 (PTH)             | Troponin I                          |
| DHEA-S                               | NT-pro BNP                                   | Troponin T                          |
| Digoxin                              | Progesterone                                 | Vitamin B12                         |
| Estradiol                            |                                              | Vitamin D, Total                    |

### Analytes below may be present in the product.

No claims are made regarding performance and stability.

|                     |                       |                            |
|---------------------|-----------------------|----------------------------|
| 17-OH Progesterone  | Estriol, Free         | Primidone                  |
| Acetaminophen       | Estriol, Total        | Procainamide               |
| Aldosterone         | Estrogen, Total       | Procollagen NP Type 1      |
| Amikacin            | Ethosuximide          | Quinidine                  |
| Angiotensin         | Gentamicin            | Renin                      |
| Anti-CCP            | Homocysteine          | Salicylate                 |
| BNP                 | Ibuprofen             | Testosterone, Free         |
| Caffeine            | Lidocaine             | Theophylline               |
| Carbamazepine       | Lithium               | Thyroxine Binding Globulin |
| Carbamazepine, Free | N-Acetyl procainamide | Tobramycin                 |
| Chloramphenicol     | Ostase                | Ultra-sensitive CRP        |
| Cyclosporine        | Phenobarbital         | Valproic Acid              |
| Disopyramide        | Phenytoin             | Valproic Acid, Free        |
| EPO                 | Phenytoin, Free       | Vancomycin                 |

\*Refer to lot specific IFU for analyte performance and stability claims.

## Multichem® IA Set A

Peptide Hormone  
immunoassay quality control  
in a liquid stable format



### Features

- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Assayed and value assigned for Roche **cobas**® systems
- Tri-level utility

### Specifications

- 36 month closed vial stability at -20°C to -80°C
- 4 day open vial stability at 2°C to 8°C\*

| Product            | Description     | Configuration   | PART NO     |
|--------------------|-----------------|-----------------|-------------|
| Multichem IA Set A | Assayed Level 1 | 12 x 2mL (24mL) | 10631732190 |
|                    | Assayed Level 2 | 12 x 2mL (24mL) | 10631759190 |
|                    | Assayed Level 3 | 12 x 2mL (24mL) | 10631767190 |

### Analytes with performance and stability claims\*:

ACTH  
Calcitonin  
Procalcitonin  
PTH Intact

**Analytes below may be present in the product.  
No claims are made regarding performance and stability.**

BNP



\*Refer to lot specific IFU for analyte performance and stability claims.

## Multichem® S Plus

Test consolidation for serum chemistry and immunology quality control in a liquid stable format



### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Assayed and value assigned for Roche **cobas®** systems
- Tri-level utility for cholesterol HDL & LDL, Apo A1, Apo B and immunoproteins including sTfR

### Specifications

- 36 month closed vial stability at -20°C to -80°C
- 10 day open vial stability at 2°C to 8°C\*

| Product          | Description     | Configuration   | PART NO     |
|------------------|-----------------|-----------------|-------------|
| Multichem S Plus | Assayed Level 1 | 12 x 4mL (48mL) | 09339795190 |
|                  | Assayed Level 2 | 12 x 4mL (48mL) | 09339809190 |
|                  | Assayed Level 3 | 12 x 4mL (48mL) | 09339817190 |

### Analytes with performance and stability claims\*:

|                                     |                                 |                                          |
|-------------------------------------|---------------------------------|------------------------------------------|
| Acetaminophen                       | Cholesterol, LDL                | Lipase                                   |
| Acid Phosphatase (Total)            | Cholesterol, Total              | Lipoprotein (a)                          |
| Alanine Aminotransferase (ALT)      | Cholinesterase                  | Lithium                                  |
| Albumin                             | Complement C3                   | Magnesium                                |
| Alkaline Phosphatase (ALP)          | Complement C4                   | Phenobarbital                            |
| Alpha-1 Acid Glycoprotein           | C-Reactive Protein (CRP)        | Phenytoin                                |
| Alpha-1 Antitrypsin                 | Creatine Kinase (CK)            | Phosphate                                |
| Alpha-Hydroxybutyrate dehydrogenase | Creatinine                      | Potassium                                |
| Amikacin                            | Digoxin                         | Prealbumin                               |
| Amylase, Pancreatic                 | Ethanol                         | Rheumatoid Factors (RF)                  |
| Amylase, Total                      | Ferritin                        | Salicylate                               |
| Anti-streptolysin O (ASO)           | Fructosamine                    | Sodium                                   |
| Apolipoprotein A1 (APO A1)          | Gamma Glutamyltransferase (GGT) | Soluble Transferrin Receptor (sTfR)      |
| Apolipoprotein B (APO B)            | Gentamicin                      | Theophylline                             |
| Aspartate Aminotransferase (AST)    | Glucose                         | Tobramycin                               |
| Beta-2 Microglobulin                | Haptoglobin                     | Total Protein                            |
| Bicarbonate (CO2)                   | Homocysteine                    | Transferrin                              |
| Bilirubin Direct                    | Immunoglobulin A (IgA)          | Triglycerides                            |
| Bilirubin Total                     | Immunoglobulin G (IgG)          | Ultra sensitive CRP                      |
| Calcium                             | Immunoglobulin M (IgM)          | Unsaturated Iron-Binding Capacity (UIBC) |
| Carbamazepine                       | Iron                            | Urea                                     |
| Ceruloplasmin                       | Kappa Light Chain               | Uric Acid                                |
| Chloride                            | Lactate                         | Valproic acid                            |
| Cholesterol, HDL                    | Lactate Dehydrogenase (LDH)     | Vancomycin                               |
|                                     | Lambda Light Chain              |                                          |

### Analytes below may be present in the product.

#### No claims are made regarding performance and stability.

|                                       |                                   |                             |
|---------------------------------------|-----------------------------------|-----------------------------|
| ACE                                   | Calcium Ionized                   | IgG4, Subclass              |
| Acid Phosphatase (Non Prostatic)      | CH50 (Total hemolytic Complement) | Osmolality                  |
| ADNase B (Anti-Streptococcal DNase B) | CKMB                              | Phospholipids               |
| Alpha 2 Macroglobulin                 | Copper                            | Properdin Factor B          |
| Anti-thrombin III                     | Cortisol                          | Protein Electrophoresis     |
| Beta Hydroxybutyrate Dehydrogenase    | Cystatin C                        | Retinol Binding Protein     |
| Bile acids                            | Hemopexin                         | Total Iron Binding Capacity |
| Bilirubin Indirect                    | IgE                               | Thyroxine (T4)              |
| C1 Inhibitor                          | IgG1, Subclass                    | Triiodothyronine            |
| Caffeine                              | IgG2, Subclass                    | Zinc                        |
|                                       | IgG3, Subclass                    |                             |

\*Refer to lot specific IFU for analyte performance and stability claims.

## Multichem® AEC

Ammonia, Ethanol and CO<sub>2</sub>  
quality control in a liquid  
stable format



### Features

- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Assayed and value assigned for Roche **cobas**® systems
- Tri-level utility

### Specifications

- 24 month closed vial stability at 2°C to 8°C
- 10 day open vial stability at 2°C to 8°C\*

| Product       | Description     | Configuration   | PART NO     |
|---------------|-----------------|-----------------|-------------|
| Multichem AEC | Assayed Level 1 | 12 x 2mL (24mL) | 10631627190 |
|               | Assayed Level 2 | 12 x 2mL (24mL) | 10631643190 |
|               | Assayed Level 3 | 12 x 2mL (24mL) | 10631651190 |

#### Analytes with performance and stability claims\*:

Ammonia  
Ethanol  
CO<sub>2</sub>

## Multichem® CSF Plus

Cerebral spinal fluid quality  
control in a liquid stable format



### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Assayed and value assigned for Roche **cobas**® systems
- Bi-level utility

### Specifications

- 36 month closed vial stability at -20°C to -80°C
- 15 day open vial stability at 2°C to 8°C\*

| Product            | Description     | Configuration   | PART NO     |
|--------------------|-----------------|-----------------|-------------|
| Multichem CSF Plus | Assayed Level 1 | 12 x 2mL (24mL) | 10631686190 |
|                    | Assayed Level 2 | 12 x 2mL (24mL) | 10631716190 |

#### Analytes with performance and stability claims\*:

Albumin  
Glucose  
Immunoglobulin A (IgA)  
Immunoglobulin G (IgG)

Immunoglobulin M (IgM)  
Lactate  
Protein(Total)

\*Refer to lot specific IFU for analyte performance and stability claims.

## Multichem® P

Test consolidation for serum  
elevated immunoprotein quality  
control in a liquid stable format



### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Assayed and value assigned for Roche **cobas**® systems
- Supplementary single-level immunoprotein control to complement Multichem S Plus
- Provides tri-level utility for RF when used in conjunction with Multichem S Plus

### Specifications

- 36 month closed vial stability at -20°C to -80°C
- 14 day open vial stability at 2°C to 8°C\*

| Product     | Description | Configuration   | PART NO     |
|-------------|-------------|-----------------|-------------|
| Multichem P | Level P     | 12 x 4mL (48mL) | 09339884190 |

### Analytes with performance and stability claims\*:

|                             |                          |                                     |
|-----------------------------|--------------------------|-------------------------------------|
| Albumin                     | Complement C3            | Prealbumin                          |
| Alpha-1 Acid Glycoprotein   | Complement C4            | Rheumatoid Factors (RF)             |
| Alpha-1 Antitrypsin         | C-Reactive Protein (CRP) | Soluble Transferrin Receptor (sTfR) |
| Apolipoprotein A-1 (APO A1) | Haptoglobin              | Total Protein                       |
| Apolipoprotein B (APO B)    | Immunoglobulin A (IgA)   | Transferrin                         |
| Beta-2 Microglobulin        | Immunoglobulin G (IgG)   |                                     |
| Ceruloplasmin               | Immunoglobulin M (IgM)   |                                     |

### Analytes below may be present in the product.

#### No claims are made regarding performance and stability.

|                                       |                |                         |
|---------------------------------------|----------------|-------------------------|
| ADNase B (Anti-Streptococcal DNase B) | Cystatin C     | IgG4, Subclass          |
| Alpha-2 Macroglobulin                 | Ferritin       | Kappa Light Chain       |
| Angiotensin Converting Enzyme         | Hemopexin      | Lambda Light Chain      |
| Antistreptolysin O (ASO)              | IgE            | Lipoprotein (a)         |
| Antithrombin III                      | IgG1, Subclass | Properdin Factor B      |
| C1 Inhibitor                          | IgG2, Subclass | Retinol Binding Protein |
| CH50 (Total hemolytic Complement)     | IgG3, Subclass |                         |

\*Refer to lot specific IFU for analyte performance and stability claims.



## Multichem® U

Test consolidation for urinary chemistry quality control in a liquid stable format



### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Bi-level utility
- Greater stability and performance for creatinine
- Assayed and value assigned for Roche **cobas**® systems
- Addition of human-based microalbumin provides greater accuracy and performance

### Specifications

- 24 month closed vial stability at 2°C to 8°C
- 30 day open vial stability at 2°C to 8°C\*

| Product     | Description     | Configuration   | PART NO     |
|-------------|-----------------|-----------------|-------------|
| Multichem U | Assayed Level 1 | 12 x 3mL (36mL) | 09339868190 |
|             | Assayed Level 2 | 12 x 3mL (36mL) | 09339876190 |

### Analytes with performance and stability claims\*:

Amylase  
Calcium  
Chloride  
Creatinine  
Glucose

Magnesium  
Microalbumin  
Phosphate  
Potassium  
Sodium

Total Protein Urine  
Urea  
Uric acid

**Analytes below may be present in the product.  
No claims are made regarding performance and stability.**

Cortisol  
hCG

Osmolality  
Specific Gravity

\*Refer to lot specific IFU for analyte performance and stability claims.



## Independent Serology quality controls for Roche **cobas**® systems

### Multichem® ID-G

Multi-analyte infectious disease quality control



#### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Qualitative quality control optimized for Roche **cobas**® systems and reagents.
- Suitable for HIV Duo assay with negative claim for HIV 1 p24 antigen

#### Specifications

- 24 month closed vial stability at 2°C to 8°C
- 30 day open vial stability at 2°C to 8°C\*

| Product        | Description  | Configuration  | PART NO     |
|----------------|--------------|----------------|-------------|
| Multichem ID-G | Single Level | 4 x 4mL (16mL) | 09339892190 |

#### Positive For:

|                |                                 |
|----------------|---------------------------------|
| Anti-HBc IgG   | Anti-HTLV I/II IgG <sup>1</sup> |
| Anti-HCV IgG   | Anti-Treponema pallidum IgG     |
| Anti-HIV 1 IgG | HBsAg                           |

### Multichem® ID-GNeg

Multi-analyte infectious disease quality control



#### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Qualitative quality control optimized for Roche **cobas**® systems and reagents.

#### Specifications

- 36 month closed vial stability at 2°C to 8°C
- 30 day open vial stability at 2°C to 8°C\*

| Product           | Description  | Configuration  | PART NO     |
|-------------------|--------------|----------------|-------------|
| Multichem ID-GNeg | Single Level | 4 x 4mL (16mL) | 09339906190 |

#### Negative For:

|                                 |                             |
|---------------------------------|-----------------------------|
| Anti-HBc IgG                    | Anti-Treponema pallidum IgG |
| Anti-HCV IgG                    | HBsAg                       |
| Anti-HIV 1 IgG                  | HIV 1 p24 Antigen           |
| Anti-HTLV I/II IgG <sup>1</sup> |                             |

### Multichem® ID-HIV p24

Infectious disease quality control



#### Features

- Human-based proprietary formulation
- Mimics performance of patient samples
- Direct load, liquid, for ease of use
- Qualitative quality control optimized for Roche **cobas**® systems and reagents.
- Suitable for HIV Duo assay with negative claim for Anti-HIV 1 IgG

#### Specifications

- 24 month closed vial stability at 2°C to 8°C
- 30 day open vial stability at 2°C to 8°C\*

| Product              | Description  | Configuration  | PART NO     |
|----------------------|--------------|----------------|-------------|
| Multichem ID-HIV p24 | Single Level | 4 x 4mL (16mL) | 09915494190 |

#### Positive For:

HIV 1 p24 Antigen

1. Anti-HTLV is not available in the USA.

\*Refer to lot specific IFU for analyte performance and stability claims.

## IAMQC® Interlaboratory peer program

The easiest way to automate QC data from Technopath's Multichem® independent quality controls.



Technopath's **IAMQC** interlaboratory peer program enables a laboratory to choose **real-time peer comparison** from laboratories within group or across the globe for all QC test data. This allows the laboratory to easily monitor its own reliability and precision.

**REGISTER  
FOR IAMQC PEER**

<https://register.iamqc.com/>

-  **Full automation** options available
-  **Daily comparison** of internal lab system or global comparisons
-  Powerful automated **inter-laboratory** QC comparison reports
-  **Track shifts and trends** over time and across reagent lots
-  **Meet accreditation requirements** for peer comparison

Setting up Roche **cobas**® Instruments with  
IAMQC® Interlaboratory Peer Program

**It's as simple as step 1, 2 and 3.**

**1**

### REGISTER

Fill laboratory details  
in to the online  
Activation Form **here**:  
<https://register.iamqc.com/>

**2**

### ACTIVATE

Account is activated  
by Technopath after verification

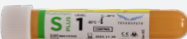
**3**

### LOGON

Once the account is activated,  
the laboratory will receive  
login details and a user guide

## Multichem quality controls for Roche cobas® systems

**Order information:** Order through your local Roche affiliate

| Product                                                                                                          | Features                                                                                                                                                                                               | Specifications                                                                                                                                        | Part Code                                                            | Kit Config                                            |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------|
| <b>Multichem IA Plus</b><br>    | <ul style="list-style-type: none"> <li>Assayed Immunoassay QC</li> <li>Tri-level utility</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> </ul>          | <ul style="list-style-type: none"> <li>36 month closed vial stability at -20°C to -80°C</li> <li>10 day open vial stability at 2°C to 8°C*</li> </ul> | Level 1: 09339825190<br>Level 2: 09339841190<br>Level 3: 09339850190 | 12 x 4mL (48mL)<br>12 x 4mL (48mL)<br>12 x 4mL (48mL) |
| <b>Multichem IA Set A</b><br>   | <ul style="list-style-type: none"> <li>Assayed Peptide Hormone QC</li> <li>Tri-level utility</li> <li>Direct load, liquid for ease of use</li> </ul>                                                   | <ul style="list-style-type: none"> <li>36 month closed vial stability at -20°C to -80°C</li> <li>4 day open vial stability at 2°C to 8°C*</li> </ul>  | Level 1: 10631732190<br>Level 2: 10631759190<br>Level 3: 10631767190 | 12 x 2mL (24mL)<br>12 x 2mL (24mL)<br>12 x 2mL (24mL) |
| <b>Multichem S Plus</b><br>    | <ul style="list-style-type: none"> <li>Assayed Chemistry QC</li> <li>Tri-level utility</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> </ul>            | <ul style="list-style-type: none"> <li>36 month closed vial stability at -20°C to -80°C</li> <li>10 day open vial stability at 2°C to 8°C*</li> </ul> | Level 1: 09339795190<br>Level 2: 09339809190<br>Level 3: 09339817190 | 12 x 4mL (48mL)<br>12 x 4mL (48mL)<br>12 x 4mL (48mL) |
| <b>Multichem AEC</b><br>      | <ul style="list-style-type: none"> <li>Assayed Ammonia, Ethanol &amp; CO<sub>2</sub> QC</li> <li>Tri-level utility</li> <li>Direct load, liquid for ease of use</li> </ul>                             | <ul style="list-style-type: none"> <li>24 month closed vial stability at 2°C to 8°C</li> <li>10 day open vial stability at 2°C to 8°C*</li> </ul>     | Level 1: 10631627190<br>Level 2: 10631643190<br>Level 3: 10631651190 | 12 x 2mL (24mL)<br>12 x 2mL (24mL)<br>12 x 2mL (24mL) |
| <b>Multichem CSF Plus</b><br> | <ul style="list-style-type: none"> <li>Assayed Cerebral Spinal Fluid QC</li> <li>Bi-level utility</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> </ul> | <ul style="list-style-type: none"> <li>36 month closed vial stability at 2°C to 8°C</li> <li>15 day open vial stability at 2°C to 8°C*</li> </ul>     | Level 1: 10631686190<br>Level 2: 10631716190                         | 12 x 2mL (24mL)<br>12 x 2mL (24mL)                    |
| <b>Multichem P</b><br>        | <ul style="list-style-type: none"> <li>Assayed Immunoprotein QC</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> </ul>                                   | <ul style="list-style-type: none"> <li>36 month closed vial stability at -20°C to -80°C</li> <li>14 day open vial stability at 2°C to 8°C*</li> </ul> | Level P: 09339884190                                                 | 12 x 4mL (48mL)                                       |
| <b>Multichem U</b><br>        | <ul style="list-style-type: none"> <li>Assayed Urine Chemistry QC</li> <li>Bi-level utility</li> <li>Direct load, liquid for ease of use</li> <li>Mimics performance of patient samples</li> </ul>     | <ul style="list-style-type: none"> <li>24 month closed vial stability at 2°C to 8°C</li> <li>30 day open vial stability at 2°C to 8°C*</li> </ul>     | Level 1: 09339868190<br>Level 2: 09339876190                         | 12 x 3mL (36mL)<br>12 x 3mL (36mL)                    |

\*Refer to lot specific IFU for analyte performance and stability claims.

## Multichem serology quality controls for Roche cobas® systems

**Order information:** Order through your local Roche affiliate

| Product                                                                                                            | Features                                                                                                                                                                                                                                                                       | Specifications                                                                                                                                    | Part Code   | Kit Config     |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|
| <b>Multichem ID-G</b><br>         | <ul style="list-style-type: none"> <li>Qualitative quality control optimized for Roche <b>cobas</b>® systems and reagents.</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> <li>Mimics performance of patient samples</li> </ul> | <ul style="list-style-type: none"> <li>24 month closed vial stability at 2°C to 8°C</li> <li>30 day open vial stability at 2°C to 8°C*</li> </ul> | 09339892190 | 4 x 4mL (16mL) |
| <b>Multichem ID-GNeg</b><br>      | <ul style="list-style-type: none"> <li>Qualitative quality control optimized for Roche <b>cobas</b>® systems and reagents.</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> <li>Mimics performance of patient samples</li> </ul> | <ul style="list-style-type: none"> <li>36 month closed vial stability at 2°C to 8°C</li> <li>30 day open vial stability at 2°C to 8°C*</li> </ul> | 09339906190 | 4 x 4mL (16mL) |
| <b>Multichem ID-HIV p24</b><br> | <ul style="list-style-type: none"> <li>Qualitative quality control optimized for Roche <b>cobas</b>® systems and reagents.</li> <li>Direct load, liquid for ease of use</li> <li>Human-based proprietary formulation</li> <li>Mimics performance of patient samples</li> </ul> | <ul style="list-style-type: none"> <li>24 month closed vial stability at 2°C to 8°C</li> <li>30 day open vial stability at 2°C to 8°C*</li> </ul> | 09915494190 | 4 x 4mL (16mL) |

\*Refer to lot specific IFU for analyte performance and stability claims.



## Additional complementary independent quality controls from Technopath Clinical Diagnostics

| PRODUCT NAME                                                                                                                                        | TECHNOPATH LIST NO.                      | KIT CONFIG.                                         | ANALYTES                                                                                | FEATURE SET                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Multichem <b>A1c</b><br>Single level (level 1) assayed<br>Single level (level 2) assayed<br><br>Bi-level assayed                                    | HB001A<br>HB002A<br><br>HB000A           | 12 x 1mL<br>12 x 1mL<br><br>2 x 6 x 1mL             | • HbA1c                                                                                 | <ul style="list-style-type: none"> <li>• 24 month closed vial stability at -20°C to -80°C</li> <li>• 30 day open vial stability at 2°C to 8°C</li> </ul> |
| Multichem <b>AMH</b><br>Single level (level 1) assayed<br>Single level (level 2) assayed<br>Single level (level 3) Assayed<br><br>Tri-level assayed | AM501A<br>AM502A<br>AM503A<br><br>AM500A | 12 x 2mL<br>12 x 2mL<br>12 x 2mL<br><br>3 x 4 x 2mL | • Anti-Müllerian Hormone                                                                | <ul style="list-style-type: none"> <li>• 36 month closed vial stability at -20°C to -80°C</li> <li>• 30 day open vial stability at 2°C to 8°C</li> </ul> |
| Multichem <b>D-Dimer</b><br>Single level (level 1) assayed<br>Single level (level 2) assayed<br><br>Bi-level assayed                                | DM901A<br>DM902A<br><br>DM900A           | 12 x 1mL<br>12 x 1mL<br><br>2 x 6 x 1mL             | • D-Dimer                                                                               | <ul style="list-style-type: none"> <li>• 36 month closed vial stability at -20°C to -80°C</li> <li>• 30 day open vial stability at 2°C to 8°C</li> </ul> |
| Multichem <b>hsTn</b><br>Single level (assayed)                                                                                                     | HS301A                                   | 12 x 3mL                                            | • Troponin I<br>• Troponin T                                                            | <ul style="list-style-type: none"> <li>• 36 month closed vial stability at -20°C to -80°C</li> <li>• 10 day open vial stability at 2°C to 8°C</li> </ul> |
| Multichem <b>NB</b><br>Single level (assayed)                                                                                                       | NB800A                                   | 12 x 2mL                                            | • Direct Bilirubin<br>• Total Bilirubin<br>• Caffeine*<br>• Theophylline                | <ul style="list-style-type: none"> <li>• 36 month closed vial stability at -20°C to -80°C</li> <li>• 14 day open vial stability at 2°C to 8°C</li> </ul> |
| Multichem <b>WBT</b><br>Tri-level assayed                                                                                                           | WB000A                                   | 3 x 4 x 2mL                                         | • Cyclosporine<br>• Red Blood Cell Folate*<br>• Glucose*<br>• Sirolimus<br>• Tacrolimus | <ul style="list-style-type: none"> <li>• 30 month closed vial stability at -20°C to -80°C</li> <li>• 10 day open vial stability at 2°C to 8°C</li> </ul> |

\*Refer to lot specific IFU for analyte performance and stability claims.



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## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



**TECHNOPATH**  
CLINICAL DIAGNOSTICS

[technopathcd.com](http://technopathcd.com)

Technopath Life Sciences Park  
Fort Henry, Ballina,  
Co. Tipperary, V94 FF1P, Ireland.

Tel: +353 61 525700

[technopathcd.com](http://technopathcd.com)

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