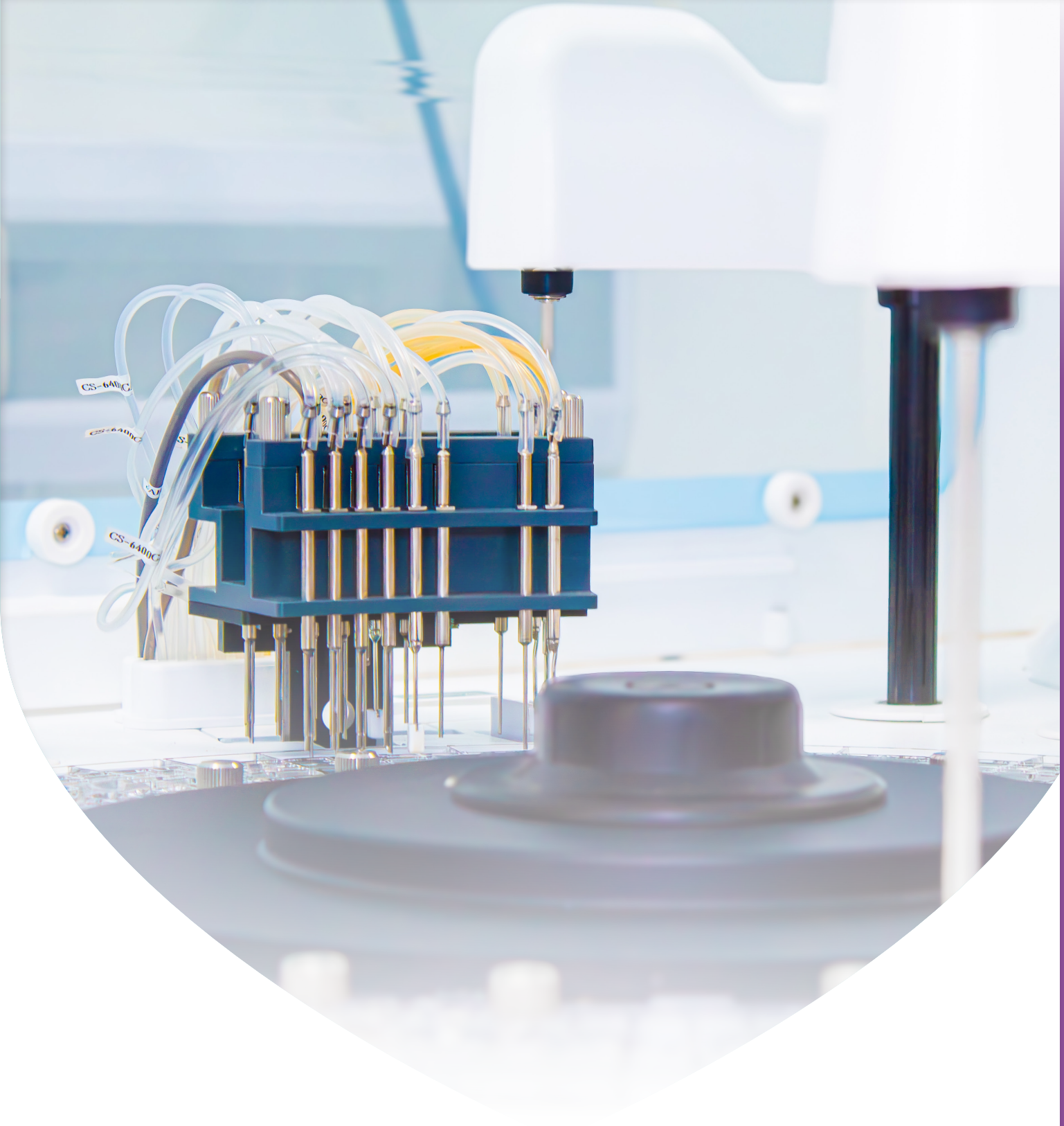

7

SECTION 7

CLINICAL CHEMISTRY

Clinical Chemistry Controls

Clinical chemistry controls are vital for ensuring the accuracy, reliability, and validity of laboratory tests that analyze bodily fluids, such as blood and urine. These controls, which include both positive and negative samples with known concentrations of analytes, help validate the performance of diagnostic assays and ensure that testing equipment and reagents are functioning correctly. By routinely using these controls, laboratories can detect any inconsistencies or errors in the testing process, thereby minimising the risk of false positives or negatives that could lead to misdiagnosis or inappropriate treatment.

The role of clinical chemistry controls is particularly important in maintaining quality assurance in laboratory settings. They help ensure that the results are consistent and reproducible across different tests and patient samples, supporting accurate clinical decision-making. In critical situations, such as emergency medicine or monitoring chronic conditions, reliable laboratory data is essential for guiding treatment plans and assessing patient outcomes. Overall, clinical chemistry controls are integral to enhancing the overall quality of healthcare by providing dependable diagnostic information that informs patient management and care strategies.

The Fortress clinical chemistry range of controls are suitable for a range of clinical chemistry analysers, offering flexibility for your laboratory. The controls are supplied with instrument and method specific assigned values.

Lyophilised | Liquid Frozen | Liquid Stable | 100% Human Serum | Assayed Target Values Provided

Featured Product

Human Assayed Controls

Multi-Analyte Human Assayed Controls are essential tools in clinical laboratories for ensuring the accuracy and reliability of diagnostic tests. These controls contain a blend of multiple analytes—such as hormones, proteins, and other biomarkers—mimicking human samples.

They are used to validate and monitor the performance of assays, which are tests designed to measure the presence or concentration of specific substances in a sample. By incorporating a range of analytes, these controls help laboratories simultaneously assess the precision and accuracy of various diagnostic assays under a single test run. This comprehensive approach not only enhances the efficiency of quality control procedures but also ensures consistency in test results, ultimately contributing to better patient care by maintaining high standards in laboratory diagnostics.

Why Choose Fortress Human Assayed Controls?

Human serum based: Same matrix as samples.

0.2µ filtered: Helps remove particulate contaminants and potential microbial contaminants, leading to more accurate and reproducible outcomes in various assays.

Lyophilised format: Fortress Human Assayed Controls are stable to expiry at 2-8°C.

Method based values with reference traceability provided.

Custom levels tailored to specific requirments available: Adaptable to perfectly suit unique experimental conditions, analytical needs, and regulatory standards.

Reconstituted stability of 7 days at 2-8°C, or 4 weeks at -20°C.

Analytes

Enzymes
Alkaline Phosphatase
ALT (GPT)
Amylase
AST (GOT)
Cholinesterase
CK (Total)
Gamma GT
GLDH
HBDH
LDH
Lipase
Pancreatic Amylase
Total Acid Phosphatase
Prostatic Acid-Phosphatase
Total Amylase

Substrates
Albumin
APO A1
APO B
Bicarbonate
Bile Acids
Bilirubin Direct
Bilirubin Total
Calcium
Cholesterol
Copper
Creatinine
D3- Hyrdroxybutyrate
Glucose
HDL Cholesterol
IGA
IGG
IGM
Iron
Iron/TIBC
Inorganic Phosphorous
LDL Cholesterol
NEFA
Osmolality
Total Protein
Transferrin
Triglycerides
UIBC
Urea
Uric Acid
Zinc

Electrolytes
Bicarbonate
Chloride
Lithium
Magnesium
Potassium
Sodium

Immunoassays
Cortisol
Folate
FT3
FT4
Total T3
Total T4
Total PSA
TSH
Vitamin B12

Drugs
Digoxin
Gentamicin
Paracetamol
Salicylate
Theophyline
Tobramycin

Description	Size	Cat No.	Type
Human Assayed Control (Level 1)	10 x 5ml	BXC0312A	Lyo.
Human Assayed Control (Level 2)	10 x 5ml	BXC0312B	Lyo.
Human Assayed Control (Level 1)	5 x 5ml	BXC0312C	Lyo.
Human Assayed Control (Level 2)	5 x 5ml	BXC0312D	Lyo.
Human Assayed Control (Level 1)	1 x 5ml	BXC0312E	Lyo.
Human Assayed Control (Level 2)	1 x 5ml	BXC0312F	Lyo.

GenChem UltraQC TR

Analytes

Alkaline Phosphatase
Albumin
Alkaline Phosphatase
Alpha-1-Acid Glycoprotein
Alpha-1-Antitrypsin
Alpha-Fetoprotein
ALT (GPT)
Amylase (Pancreatic)
Amylase (Total)
Apo-A1
Apo-B
AST (GOT)
Beta-2-Macroglobulin
Bicarbonate
Bile Acids
Bilirubin, Direct
Bilirubin, Total
C-Reactive Protein
Ceruloplasmin
Calcium
Carcinoembryonic Antigen (CEA)
Chloride
Cholesterol
Cholinesterase
CK-NAC
Complement C3
Complement C4
Copper
Cortisol
Creatinine
D3-Hydroxybutyrate
DHEA-S
Ethanol (alcohol)
Ferritin
Folate
Free T3
Free T4
FSH
Gamma-GT
GLDH
Glucose
α-HBDH
Iron
Haptoglobin
HDL Cholesterol (Direct)
IgA
IgE
IgG
IgM
Lactate
LDH LACTATE DEHYDROGENASE
LDL Cholesterol Direct
Leutinising Hormone (LH)
Lipase
Lipoprotein (a)
Lithium
Magnesium
Myoglobin
Osmolality
Phosphate Inorganic
Potassium
Prealbumin
Progesterone
Prolactin
Protein, Total
PSA Total
Sodium
T Uptake
Testosterone
TSH
TIBC
Total Beta hCG
Total T3
Total T4
Transferrin
Triglycerides
Troponin T
UIBC
Urea
Uric Acid
Vitamin B12
Zinc

Description	Size	Cat No.	Type
Assayed Chemistry Control (Level-1)	6 x 5 ml	BXC0365A	**LS (Frozen).**
Assayed Chemistry Control (Level-2)	6 x 5 ml	BXC0365B	LS (Frozen)
Assayed Chemistry Control (Level-3)	6 x 5 ml	BXC0365C	**LS (Frozen)**

Calibration Serum

- Approximately 40 parameters are value assigned by reference laboratories in Europe.
- Method based values with reference traceability provided.
- Lyophilised product stable to expiry at 2-8 °C.
- Reconstituted stability of 7 days at 2-8 °C, or 4 weeks at -20 °C.

Analytes

Enzymes	Pancreatic Amylase	Creatinine	Uric Acid
ALP	Prostatic Phosphatase	D3- Hydroxybutyrate	Zinc
ALT (GPT)		Glucose	
Total Amylase	**Substrates**	HDL Cholesterol	**Electrolytes**
AST (GOT)	Albumin	Iron	Chloride
Cholinesterase	Bicarbonate	Iron/TIBC	Lithium
CK NAC	Bile Acids	Inorganic Phosphorous	Magnesium
Gamma GT	Bilirubin Direct	Lactate	Potassium
GLDH	Bilirubin Total	LDL Cholesterol	Osmolality
HBDH	Calcium	Total Protein	Sodium
LDH	Cholesterol	Triglycerides	
Lipase	Copper	Urea	

Description	Size	Cat No.	Type
Calibration Serum	1 x 3 ml	BXC0321K	Lyo.
Calibration Serum	5 x 3 ml	BXC0321L	Lyo.
Calibration Serum	10 x 3 ml	BXC0321M	Lyo.

ADA Calibrators & Controls

- Liquid Stable version (Ready-to-use) stable to expiry at 2-8 °C & Open vial stability of 30 days, at 2-8°C.
- Lyophilised version reconstituted stability of 30 days at 2-8°C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
ADA Calibrator	1 x 1 ml	BXC0209A	LS
ADA Control (Level 1)	1 x 1 ml	BXC0210A	LS
ADA Control (Level 2)	1 x 1 ml	BXC0216A	LS
ADA Calibrator	1 x 1 ml	BXC0217A	Lyo.
ADA Control (Level 1)	1 x 1 ml	BXC0218A	Lyo.
ADA Control (Level 2)	1 x 1 ml	BXC0219A	Lyo.

Alcohol, Ammonia, Carbonate Calibrators & Controls

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 24 hours at 2-8°C.

Description	Size	Cat No.	Type
Alcohol, Ammonia, Carbonate Calibrator	1 x 2 ml	BXC0492A	LS
Alcohol, Ammonia, Carbonate Control (Level 1)	1 x 2 ml	BXC0493A	LS
Alcohol, Ammonia, Carbonate Control (Level 2)	1 x 2 ml	BXC0494A	LS

Aldolase Calibrators & Controls

- Lyophilised product with a 3 year shelf life when stored at 2-8 °C.
- Reconstituted stability of 5 days at 2-8°C.
- Values assigned by reference laboratories in Europe

Description	Size	Cat No.	Type
Aldolase Calibrator	3 x 1 ml	BXC0394A	Lyo.
Aldolase Control Elevated	3 x 1 ml	BXC0393A	Lyo.
Aldolase Control Normal	3 x 1 ml	BXC0392A	Lyo.

Alpha-1-Acid Glycoprotein Calibrators & Controls

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Alpha-1-Acid Glycoprotein Calibrator	2 x 1 ml	BXC0892A	LS
Alpha-1-Acid Glycoprotein Control	2 x 1 ml	BXC0891A	LS

Alpha-1-Antitrypsin Calibrators & Controls

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Details	Size	Cat No.	Type
Alpha-1-Antitrypsin Calibrator	Immunoturbidimetric	1 x 2 ml	BXC0711A	LS
Alpha-1-Antitrypsin Control (Level 1 & Level 2)	**Immunoturbidimetric**	2 x 1 x 2ml	BXC0712A	LS
Alpha-1-Microglobulin Calibrator		1 x 1 ml	BXC0887A	LS
Alpha-1-Microglobulin Control (Level 1 & Level 2)		2 x 1 x 1ml	BXC0889A	LS

Aluminium Calibrators & Controls

- Liquid Stable (Ready-to-Use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Aluminium Control Level 1	1 x 1 ml	BXC0696A	LS
Aluminium Control Level 2	1 x 1 ml	BXC0697A	LS
Aluminium Control Level 3	1 x 1 ml	BXC0698A	LS

Ammonia Controls & Calibrators

- Liquid stable Calibrator and Control with a 2 year shelf life.
- Values are assigned in house using Enzymatic UV method.
- Storage at 2-8 °C.
- One month open vial stability at 2-8 °C.

Description	Size	Cat No.	Type
Ammonia Calibrator	3 x 2 ml	BXC0373A	LS
Ammonia Control High	3 x 2 ml	BXC0375A	LS
Ammonia Control Low	3 x 2 ml	BXC0374A	LS

Angiotensin Converting Enzyme (ACE) Controls & Calibrators

- Lyophilised for long shelf life, stable to expiry at 2-8 °C.
- Reconstituted stability of 7 days at 2-8°C.

Description	Size	Cat No.	Type
Angiotensin Converting Enzyme (ACE) Calibrator	3 x 1 ml	BXC0177A	Lyo.
Angiotensin Converting Enzyme (ACE) Control (Level 1)	3 x 1 ml	BXC0178A	Lyo.
Angiotensin Converting Enzyme (ACE) Control (Level 2)	3 x 1 ml	BXC0179A	Lyo.

Anti-CCP Controls & Calibrators

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- When vial opened it must be used immediately, store at 2-8°C.

Description	Size	Cat No.	Type
Anti-CCP Calibrator	1 x 1 ml	BXC0379D	LS
Anti-CCP Calibrator Series	6 x 1 x 1ml	BXC0379B	LS
Anti-CCP Control Set	2 x 1 x 1ml	BXC0379C	LS

Anti-Mullerian Hormone (AMH) Calibrators & Control Set

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- When vial opened it must be used immediately, store at 2-8°C.

Description	Size	Cat No.	Type
Anti-Mullerian Hormone (AMH) Calibrators & Control Set	Calibrator Set: 2 x 1x0.5ml ; Control Set: 2x1x0.5ml	BXC0999A	LS

APO A1/B Calibrator Series

Description	Size	Cat No.	Type
APO A1/B Calibrator Series	6 x 1 x 1 ml	BXC0413A	LS.

ASO (Single Point) Calibrators

- Values are assigned by in house methods and instruments
- 100% human material designed for matrix conformity.
- The liquid stable ASO Single point calibrator has a shelf life of 2 years when stored at 2-8 °C.
- Once opened the calibrator is stable for a period of 30 days when stored without contamination at 2-8 °C.

Description	Details	Size	Cat No.	Type
ASO (Single Point) Calibrator	**Immunoturbidimetric**	1 x 1 ml	BXC0323A	LS
ASO (Single Point) Calibrator	**Immunoturbidimetric**	3 x 1 ml	BXC0323B	LS

ASO, CRP, RF Control

- This control is presented in a liquid stable format and is stable up to expiry when stored at 2-8 °C.
- The values are assigned in European Reference Laboratories.
- 100% Human serum designed for matrix conformity.
- Once opened the control is stable for a period of 30 days when stored without contamination at 2-8 °C.
- This material is presented in a liquid stable format and is stable up to expiry at 2-8 °C.

Description	Details	Size	Cat No.	Type
ASO, CRP, RF Control	**Immunoturbidimetric**	3 x 1 ml	BXC0645A	LS

Beta-2- Microglobulin Calibrators & Controls

Description	Size	Cat No.	Type
Beta-2- Microglobulin Calibrator	1 x 1 ml	BXC0647A	LS
Beta-2- Microglobulin Control (Level 1 & Level 2)	1 x 2 x 1 ml	BXC0648A	LS

Bile Acid Controls & Calibrators

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Bile Acid Calibrator	1 x 1 ml	BXC0582A	LS
Bile Acid Control Set (Level 1 & 2)	2 x 1 x 1 ml	BXC0583A	LS

Blood Alcohol Controls & Calibrators

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- When vial opened it must be used immediately, store at 2-8°C.

Description	Size	Cat No.	Type
Blood Alcohol Calibrator	1 x 2 ml	BXC0488A	LS
Blood Alcohol Control (Level 1)	1 x 2 ml	BXC0489A	LS
Blood Alcohol Control (Level 2)	1 x 2 ml	BXC0490A	LS

Bilirubin Controls & Calibrators

- Human Serum based Controls simulating the human serum matrix.
- Values assigned by reference laboratories in Europe.
- Typical levels: Total Bilirubin around 350 umol/l (around 20 mg/dl) & Direct Bilirubin around 100 umol/l (around 6.0 mg/dl).
- Lyophilised product and Liquid Stable version ready-to-use stable up to expiry at 2-8 °C.
- Storage at 2-8 °C.
- Reconstituted stability of 5 days at 2-8 °C.
- Values for Total and Direct Bilirubin.
- Ideal for laboratories measuring Neonatal Bilirubin.
- Open vial stability for liquid 3 months.

Description	Size	Cat No.	Type
Bilirubin Calibrator	3 x 1ml	BXC0319A	Lyo.
Bilirubin Control (Elevated)	1 x 1ml	BXC0318A	Lyo.
Bilirubin Control (Elevated)	5 x 1ml	BXC0318B	Lyo.
Bilirubin Calibrator	2 x 1ml	BXC0303A	LS
Bilirubin Control Set	2 x 1 x 1ml	BXC0304A	LS
Bilirubin Control Set, Paediatric	2 x 1 x 1ml	BXC0305A	LS
Bilirubin Control (Normal)	1 x 1ml	BXC0306A	LS
Bilirubin Control (Normal)	3 x 1ml	BXC0306B	LS
Bilirubin Control (Elevated)	1 x 1 ml	BXC0307A	LS
Bilirubin Control (Elevated)	3 x 1 ml	BXC0307B	LS

Citrate (Urinary) Calibrators & Controls

- The controls are presented in a Liquid format and are stable up to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Citrate (Urinary) Calibrator [200mg/L]	2 x 1 ml	BXC0136A	LS
Citrate (Urinary) Control (Level 1) [50mg/L]	2 x 1 ml	BXC0137A	LS
Citrate (Urinary) Control (Level 2) [600mg/L]	2 x 1 ml	BXC0139A	LS

CO_2 (Bicarbonate) Controls & Calibrators

- Values are assigned by in house methods using Enzymatic CO2 kits.
- The CO2 (Bicarbonate) calibrator is intended for calibrating the Fortress CO2 (Bicarbonate) kit.
- CO2 (Bicarbonate) Calibrator & Controls are Liquid Stable.
- Stable to expiry at 2-8 °C.
- Five hours open vial stability at 2-8 °C.

Description	Size	Cat No.	Type
CO2 (Bicarbonate) Calibrator	3 x 2 ml	BXC0155A	LS
CO2 (Bicarbonate) Control Low	3 x 2 ml	BXC0156A	LS
CO2 (Bicarbonate) Control High	3 x 2 ml	BXC0157A	LS

CSF Controls

- Human CSF based controls.
- Method based values with reference traceability provided.
- Liquid stable (Ready-to-Use) - Stable to expiry at 2-8 °C.
- Once opened, the control is stable for a period of 30 days when stored at 2-8 °C without contamination.

Analytes

Proteins	Electrolytes	Substrates
IgA	Chloride	Albumin
IgG	Lactate	Glucose
IgM	Sodium	
Total Protein		

Description	Details	Size	Cat No.	Type
CSF Control (Level 1)	**Albumin, Chloride, Glucose, IgA, IgG,IgM, Lactate, Sodium, Total Protein**	1 x 1 ml	BXC0673A	LS
CSF Control (Level 2)	**Albumin, Chloride, Glucose, IgA, IgG,IgM, Lactate, Sodium, Total Protein**	1 x 1 ml	BXC0673B	LS

CSF Diff Control

Description	Size	Cat No.	Type
CSF Diff Control (Level 1)	**5 x 2 ml**	BXC0080A	**LS.**
CSF Diff Control (Level 2)	5 x 2 ml	BXC0081A	LS.
CSF Diff Control (Level 3)	**5 x 2 ml**	BXC0082A	**LS.**

CRP Controls & Calibrators

- Fortress CRP controls are intended for monitoring accuracy and precision of CRP turbidimetric, Immunoturbidimetric and Nephelometric assays.
- This control is presented in a liquid stable format and is stable up to expiry when stored at 2-8 °C.
- The values are assigned in European Reference Laboratories.
- 100% Human serum designed for matrix conformity.
- Once opened the control is stable for a period of 30 days when stored without contamination at 2-8 °C.

Description	Details	Size	Cat No.	Type
CRP (Single Point) Calibrator	**Immunoturbidimetric**	3 x 1 ml	BXC0324A	LS
CRP (Multi Point) Calibrator	**Immunoturbidimetric**	6 x 1 x 1 ml	BXC0324B	LS
CRP (Ultra Sensitive) Low Control	**Immunoturbidimetric**	3 x 1 ml	BXC0325A	LS
CRP (Ultra Sensitive) Standard Set	**Immunoturbidimetric**	5 x 1 x 0.5 ml	BXC0327A	LS
CRP Control (Level 1)		5 x 1 ml	BXC0326A	LS
CRP Control (Level 2)		5 x 1 ml	BXC0326B	LS
CRP Control Set		2 x 1 x 1 ml	BXC0326C	LS

Cyanmethaemoglobin Standard Set

- Typical concentrations 8,10,12,15,18 g/dL.
- The standard set comprises of 5 standards.
- Values are assigned using in house methods.
- Store the standard set at 2-8 °C. The Standard set is stable up to expiry when stored unopened at 2-8 °C.
- Once opened the standard set is stable for a period of 1 month when stored at 2-8°C without contamination.
- Do not freeze

Description	Size	Cat No.	Type
Cyanmethaemoglobin Standard Set	5 x 1 x 10 ml	BXC0483A	LS

Cystatin C Controls & Calibrators

- Values are assigned using in house methods.
- These controls and calibrators are supplied in liquid stable format with a shelf life of 2 years when stored at 2-8 °C.
- When opened and stored at 2-8 °C, without contamination, the controls and calibrators are stable for a period of 1 month.
- Mix gently before use.
- The calibrator set and controls are liquid stable.
- Human serum based to ensure matrix compatibility.
- Do not freeze.

Description	Size	Cat No.	Type
Cystatin C Calibrator Set (6 Levels)	6 x 1 ml	BXC0334A	LS
Cystatin C Control (Level 1)	2 x 1 ml	BXC0333A	LS
Cystatin C Control (Level 2)	2 x 1 ml	BXC0333B	LS

D3-Hydroxybutyrate Controls & Calibrators

- Lyophylised product stable to expiry at 2-8 °C.
- Reconstituted Stability of 7 Days at 2-8°C.

Description	Size	Cat No.	Type
D3-Hydroxybutyrate Calibrator	1 x 3 ml	BXC0544A	Lyo
D3-Hydroxybutyrate Control (Level 1)	1 x 5 ml	BXC0543A	Lyo
D3-Hydroxybutyrate Control (Level 2)	1 x 5 ml	BXC0543B	Lyo

D-Dimer Calibrators & Controls

- Liquid Stable (Ready-to-use)
- Prepared from human serum.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
D-Dimer Calibrator Set (5 Levels)	5 x 1 ml	BXC0788A	LS
D-Dimer Control Set (Level 1 & Level 2)	5 x 1 ml	BXC0789A	LS

ESR Controls

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Details	Size	Cat No.	Type
ESR Control (Level 1)	**To be used with all routine ESR instruments**	2 x 10 ml	BXC0631A	LS
ESR Control (Level 2)	**To be used with all routine ESR instruments**	2 x 10 ml	BXC0632A	LS

Ferritin Controls & Calibrators

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Ferritin Calibrator	1 x 1 ml	BXC0445A	LS
Ferritin Calibrator Set	6 x 1 x 1 ml	BXC0445B	LS
Ferritin Control (Level 1)	3 x 1 ml	BXC0443A	LS
Ferritin Control (Level 2)	3 x 1 ml	BXC0444A	LS

Fructosamine Controls & Calibrators

- Values are assigned using both in house and reference laboratory values.
- 100% Human Serum designed for matrix conformity.

Description		Size	Cat No.	Type
Fructosamine Calibrator		1 x 1 ml	BXC0592A	LS
Fructosamine Control (Level 1)	*Low*	3 x 1 ml	BXC0593A	LS
Fructosamine Control (Level 2)	*High*	3 x 1 ml	BXC0594A	LS

G-6-PDH Controls

- Values assigned by reference Laboratories in Europe.
- Stable to expiry at 2-8 °C.
- Reconstituted stability of 5 days at 2-8 °C.
- Lypholised for enhanced stability.
- Typical Levels:
  G-6-PDH Deficient Control : 100 - 200 U/l
  G-6-PDH Normal Control : 900 - 1400 U/l

Description	Size	Cat No.	Type
G-6-PDH Control Normal	3 x 1.0ml	BXC0573B	Lyo.
G-6-PDH Control Deficient	3 x 1.0ml	BXC0572B	Lyo.

Glucose-Fructose Control

Description	Size	Cat No.	Type
Glucose-Fructose Control (Level 1)	1 x 1 ml	BXC0099A	LS
Glucose-Fructose Control (Level 2)	1 x 1 ml	BXC0099B	LS

Glutathione Peroxidase Calibrator & Control

Description	Size	Cat No.	Type
Glutathione Peroxidase Control	5 x 1 ml	BXC0556A	LS
Glutathione Peroxidase Control	5 x 0.5 ml	BXC0556B	LS
Glutathione Peroxidase Calibrator	5 x 1 ml	BXC0557A	LS

Glycerol Control

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Glycerol Control	2 x 5 ml	BXC0278A	LS

HDL/LDL Calibrators

- Fortress HDL/LDL Cholesterol Calibrator is presented in a Lyophilised format for enhanced stability. Stable up to expiry at 2-8 °C.
- Once opened and reconstituted the control is stable for 7 days at 2-8 °C, or 30 days at -20 °C.
- 100% human material designed for matrix conformity.

Analytes	
HDL Cholesterol (Direct)	LDL Cholesterol (Direct)

Description	Size	Cat No.	Type
HDL/LDL Calibrator	3 x 1 ml	BXC0315D	LS.
HDL/LDL Calibrator	1 x 1 ml	BXC0315E	LS.
IgG Sub Classes Control Set	2 x 1 x 0.5 ml	BXC0726A	LS.
IgG Sub Classes Calibrator (IgG 1, 2, 3)	1x 1 ml	BXC0727A	LS.
IgG Sub Classes Calibrator (IgG 4)	1 x 1 ml	BXC0728A	LS.

IgE Calibrators & Controls

- Lyophilised product stable to expiry at 2-8 °C.
- Reconstituted stability of 7 days at 2-8°C.
- Reconstituted stability of 30 days at -20°C.

Description	Size	Cat No.	Type
IgE Calibrator	1 x 1 ml	BXC0752A	Lyo.
IgE Control Set (Level 1 & Level 2)	2 x 2 x 1 ml	BXC0753A	Lyo.

Immunoglobulin Calibrator

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.
- Prepared from Human Serum.

Analytes		
IgA	IgG	IgM

Description	Size	Cat No.	Type
Immunoglobulin Calibrator	3 x 1 ml	BXC0040A	LS

Lipase Calibrator

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Lipase Calibrator	3 x 1 ml	BXC0510A	LS

Lipoprotein (a) Calibrators & Controls

- The controls are supplied in two levels.
- 100% Human serum designed for matrix conformity.
- Liquid stable controls and calibrators stable up to expiry at 2-8 °C.
- Once opened the calibrator and controls are stable for a period of 30 days when stored at 2-8 °C.
- Lipoprotein Low and High controls typically have the following the levels:
  Lipoprotein Control Low around 20mg/dl.
  Lipoprotein Control High around 50mg/dl.
- Do not freeze.

Description	Size	Cat No.	Type
Lipoprotein (a) Calibrator High	1 x 1 ml	BXC0134A	Lyo
Lipoprotein (a) Control Low	1 x 1 ml	BXC0131A	Lyo
Lipoprotein (a) Control High	1 x 1 ml	BXC0133A	Lyo

Lithium Calibrator

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Details	Size	Cat No.	Type
Lithium 3000 Calibrator	**3000 mmol/L**	2 x 1 ml	BXC0106A	LS
Lithium Calibrator	Only for Enzymatic Lithium	1 x 2 x 1 ml	BXC0141A	LS

Methanol Calibrators & Controls

Description	Size	Cat No.	Type
Methanol Calibrator	1 x 2ml	BXC0497A	LS
Methanol Control (Level 1)	1 x 2ml	BXC0498A	LS
Methanol Control (Level 2)	1 x 2ml	BXC0499A	LS

Microalbumin Calibrators & Controls

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Microalbumin Calibrator Series	5 x 1 ml	BXC0329A	LS
Microalbumin Control	2 x 1 ml	BXC0328A	LS
Microalbumin Control	2 x 1 ml	BXC0328B	LS

Myoglobin Calibrators & Controls

- Lyophilised product stable to expiry at 2-8 °C.
- Reconstituted stability of 30 days at 2-8°C.

Description	Size	Cat No.	Type
Myoglobin Calibrator Series	1 x 1 x 0.5ml	BXC0486A	Lyo.
Myoglobin Control	1 x 0.5ml	BXC0487A	Lyo.

Oxalate Calibrators & Controls

- Liquid Stable (Ready-to-use) stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
Oxalate (Urinary) Calibrator [0.5 mmol/L]	1 x 5ml	BXC0147A	LS
Oxalate (Urinary) Control (Level 1) [0.2 mmol/L]	1 x 5ml	BXC0148A	LS
Oxalate (Urinary) Control (Level 2) [0.7 mmol/L]	1 x 5ml	BXC0149A	LS

RF (Multi-Point) Calibrators

- This Calibrator is presented in a liquid stable format and is stable up to expiry when stored at 2-8 °C.
- The Calibrator is presented as a single level calibrator which can be diluted as necessary for calibrating RF Turbidimetric Assays.
- Values are assigned by in house methods and instruments.
- 100% human material designed for matrix conformity.
- Once opened the control is stable for a period of 30 days. when stored without contamination at 2-8 °C.

Description	Details	Size	Cat No.	Type
RF (Multi-Point) Calibrator	**Immunoturbidimetric**	1 x 2ml	BXC0612A	LS
RF (Multi-Point) Calibrator	**Immunoturbidimetric**	3 x 2ml	BXC0612B	LS

TIBC Calibrator

- Lyophilised Stable to expiry at 2-8 °C.
- Open vial stability of 30 days, at 2-8°C.

Description	Size	Cat No.	Type
TIBC Calibrator (Single Level)	2 x 1 ml	BXC0238A	Lyo.

Vitamnin D Control & Calibrator

Description	Size	Cat No.	Type
Vitamin D Control Set	2 x 1 x 1 ml	BXC0474A	LS
Vitamin D Calibrator Set	5 x 1 x 1ml	BXC0475A	LS

Zinc & Copper Calibrator

- Lyophilised product stable to expiry at 2-8 °C.
- Reconstituted stability of 30 days at 2-8°C.

Description	Size	Cat No.	Type
Zinc & Copper Calibrator	2 x 1 ml	BXC0463A	Lyo.