

ACUSERA 

Clinical Chemistry Controls

Clinical Chemistry Product Range		
Product Description	Size	Cat. No.
Liquid Assayed Chemistry Premium Plus Level 1	12 x 5 ml	LAL4213
Liquid Assayed Chemistry Premium Plus Level 2	12 x 5 ml	LAN4214
Liquid Assayed Chemistry Premium Plus Level 3	12 x 5 ml	LAE4215
Liquid Chemistry Premium Level 2	12 x 5 ml	LUN5048
Liquid Chemistry Premium Level 3	12 x 5 ml	LUE5049
Liquid Chemistry Premium Plus Level 1	12 x 5 ml	LUL5069
Liquid Chemistry Premium Plus Level 2	12 x 5 ml	LUN5070
Liquid Chemistry Premium Plus Level 3	12 x 5 ml	LUE5071
Liquid Chemistry Premium Plus Level 1	12 x 10 ml	LUL5093
Liquid Chemistry Premium Plus Level 2	12 x 10 ml	LUN5094
Liquid Chemistry Premium Plus Level 3	12 x 10 ml	LUE5095
Chemistry Premium Level 2	12 x 5 ml	HN5067
Chemistry Premium Level 3	12 x 5 ml	HE5068
Assayed Chemistry Premium Plus Level 2	20 x 5 ml	HN1530
Assayed Chemistry Premium Plus Level 3	20 x 5 ml	HE1532
Assayed Chemistry Premium Plus Level 2 & 3	2 x 5 x 5 ml	HS2611
Precision Chemistry Premium Plus Level 2	20 x 5 ml	UN1557
Precision Chemistry Premium Plus Level 3	20 x 5 ml	UE1558
Bovine Chemistry (Assayed) Level 1	20 x 5 ml	AL1027
Bovine Chemistry (Assayed) Level 2	20 x 5 ml	AN1026
Bovine Chemistry (Assayed) Level 3	20 x 5 ml	AE1032
Bovine Chemistry (Precision) Level 1	20 x 5 ml	SL1084
Bovine Chemistry (Precision) Level 2	20 x 5 ml	SN1085
Bovine Chemistry (Precision) Level 3	20 x 5 ml	SE1086
Clinical Chemistry Calibration Sera Level 2	20 x 5 ml	CAL2350
Clinical Chemistry Calibration Sera Level 3	20 x 5 ml	CAL2351
Aldolase Calibrator	3 x 1 ml	AD5000
Aldolase Control Level 2	3 x 1 ml	AD5001
Aldolase Control Level 3	3 x 1 ml	AD5002
Ammonia / Ethanol Control Level 1	6 x 2 ml	EA1366
Ammonia / Ethanol Control Level 2	6 x 2 ml	EA1367
Ammonia / Ethanol Control Level 3	6 x 2 ml	EA1368
Bilirubin Elevated Control	10 x 3 ml	BE454
Glycerol Control	3 x 5 ml	GY1369
Multi Calibrator	3 x 2 ml	MC1382
Multi Control Level 1	5 x 2 ml	MC1379
Multi Control Level 2	5 x 2 ml	MC1380
Multi Control Level 3	5 x 2 ml	MC1381
Glutamine Control Level 1	5 x 5 ml	GM1376
Glutamine Control Level 2	5 x 5 ml	GM1377
Glutamine Control Level 3	5 x 5 ml	GM1378
Glutamine Calibrator	3 x 5 ml	GM1375
Serum Diluent	20 x 5 ml	MS5007

Liquid Assayed Chemistry Premium Plus Control

Analytes			
Cardiac	T Uptake	Trace Metals	Bile Acids
CK	Vitamin B12	Copper	Bilirubin Direct
Myoglobin		Zinc	Bilirubin Total
Troponin T	Lipids		Calcium
Electrophoresis	Apo A-I	Drugs	Calcium Ionised
Albumin	Apo B	Amikacin	Chloride
α -1-Globulin	Cholesterol	Caffeine	Cholinesterase
α -2-Globulin	HDL	Carbamazepine	Creatinine
β -Globulin	LDL	Digoxin	D-3-Hydroxybutyrate
γ -Globulin	LDL	Ethanol	γ GT
	LP(a)	Gentamicin	GLDH
	Triglycerides	Lithium	Glucose
Immunoassay	Proteins	Paracetamol	Iron
AFP	α -1-Acid Glycoprotein	Phenobarbital	Lactate
CEA	α -1-Antitrypsin	Phenytoin	LAP
Cortisol	β -2-Microglobulin	Salicylate	LDH
DHEA Sulphate	Ceruloplasmin	Theophylline	Lipase
Folate	Complement C ₃	Valproic Acid	Magnesium
Free T ₃	Complement C ₄	Vancomycin	Osmolality
Free T ₄	CRP		Phosphate Inorganic
FSH	Ferritin	Routine Chemistry	Potassium
hCG	Haptoglobin	Acid Phosphatase (Total)	Sodium
Leutinising Hormone	IgA	Albumin	TIBC
Progesterone	IgE	Alkaline Phosphatase	Urea
Prolactin	IgG	α -HBDH	Uric Acid
PSA Total	IgM	ALT	
Total T ₃	Prealbumin	Amylase	
Total T ₄	Protein Total	Amylase (Pancreatic)	
Testosterone	Transferrin	AST	
TSH		Bicarbonate	

With instrument specific target values provided for 100 analytes, the Acusera Liquid Assayed Chemistry Premium Plus control is the most comprehensive on the market. Our unique combination of proteins, lipids, immunoassays, cardiac markers, therapeutic drugs and routine chemistry analytes enables effective consolidation and cost savings. As a true third party control, target values are available for most major analysers.

- Liquid for ease-of-use
- Human based serum
- Assayed instrument specific target values and ranges
- High levels of CRP and other proteins eliminate the need for multiple controls
- Stable to expiry when stored at -20°C to -70°C
- Open vial stability of up to 7 days at 2°C to 8°C

Description

Liquid Assayed Chemistry Premium Plus Level 1
 Liquid Assayed Chemistry Premium Plus Level 2
 Liquid Assayed Chemistry Premium Plus Level 3

Size

12 x 5 ml
 12 x 5 ml
 12 x 5 ml

Cat. No.

LAL4213
 LAN4214
 LAE4215

Liquid Chemistry Premium Control

Analytes			
Cardiac CK Myoglobin Troponin T	Lipids Apolipoprotein A-I Apolipoprotein B Cholesterol Cholesterol (HDL) Cholesterol (LDL) LP(a) Triglycerides	Trace Metals Copper Zinc	Bile Acids Bilirubin (Direct) Bilirubin (Total) Cholinesterase Calcium Calcium (ionised) Chloride Creatinine γ GT Glucose GLDH α -HBDH D-3-Hydroxybutyrate Iron TIBC LAP LD (LDH) Lipase Lactate Magnesium Osmolality Phosphate (Inorganic) Potassium Sodium UIBC Urea Uric Acid (Urate)
Electrophoresis Albumin α -I-globulin α -2-globulin β -I-globulin γ -globulin	Proteins α -I-Acid Glycoprotein α -I-Antitrypsin Ceruloplasmin Complement C ₃ Complement C ₄ CRP Ferritin Haptoglobin IgA IgE IgG IgM Prealbumin Total Protein Transferrin	Drugs Carbamazepine Digoxin Ethanol Gentamicin Lithium Paracetamol Phenobarbital Phenytoin Salicylate Theophylline Valproic Acid Vancomycin	
Immunoassay AFP CEA Cortisol Folate Free T ₃ Free T ₄ hCG Prolactin Total T ₃ Total T ₄ TSH Vitamin B12		Routine Chemistry Acid Phosphatase (Prostatic) Acid Phosphatase (Total) Albumin Alkaline Phosphatase ALT (GPT) Amylase Amylase (Pancreatic) AST (GOT) Bicarbonate	

A comprehensive chemistry control designed for use in the routine monitoring of precision. Suitable for use with all major instruments and methodologies, including protein electrophoresis. It contains 92 analytes, including routine chemistries, cardiac markers, proteins, immunoassay parameters, lipids and therapeutic drugs.

- Liquid for ease-of-use
- Human based serum
- Stable to expiry date at -20°C to -70°C
- Open vial stability of 7 days at 2°C to 8°C
- Typical values provided for all analytes

Description	Size	Cat. No.
Liquid Chemistry Premium Level 2	12 x 5 ml	LUN5048
Liquid Chemistry Premium Level 3	12 x 5 ml	LUE5049

Liquid Chemistry Premium Plus Control

Analytes			
Cardiac	T uptake Vitamin B12	Trace Metals	Bilirubin (Direct)
CK		Copper	Bilirubin (Total)
CK-MB		Zinc	Cholinesterase
Myoglobin	Lipids		Calcium
Troponin T	Apolipoprotein A-I	Drugs	Calcium (Ionised)
Electrophoresis	Apolipoprotein B	Amikacin	Chloride
Albumin	Cholesterol	Caffeine	Creatinine
α -1-globulin	HDL Cholesterol	Carbamazepine	γ GT
α -2-globulin	LDL Cholesterol	Digoxin	Glucose
β -1-globulin	LP(a)	Ethanol	GLDH
γ -globulin	Triglycerides	Gentamicin	α -HBDH
Immunoassay	Proteins	Lithium	D-3-Hydroxybutyrate
AFP	α -1-Acid Glycoprotein	Paracetamol	Iron
CEA	α -1-Antitrypsin	Phenobarbital	TIBC
Cortisol	β -2-Microglobulin	Phenytoin	LAP
DHEA Sulphate	Ceruloplasmin	Salicylate	LD (LDH)
Folate	Complement C ₃	Theophylline	Lipase
Free T ₃	Complement C ₄	Valproic Acid	Lactate
Free T ₄	CRP	Vancomycin	Magnesium
FSH	Ferritin	Routine Chemistry	Osmolality
Growth Hormone (GH)	Haptoglobin	Acid Phosphatase (Prostatic)	Phosphate (Inorganic)
hCG	IgA	Acid Phosphatase (Total)	Potassium
LH	IgE	Albumin	Sodium
Progesterone	IgG	Alkaline Phosphatase	UIBC
Prolactin	IgM	ALT (GPT)	Urea
Total T ₃	Prealbumin	Amylase	Uric Acid (Urate)
Total T ₄	Total Protein	Amylase (Pancreatic)	
Testosterone	Transferrin	AST (GOT)	
TSH		Bicarbonate	
		Bile Acids	

Multi-analyte chemistry control designed for use in the routine monitoring of precision. The most comprehensive chemistry control available covering more than 100 analytes, including routine chemistries, cardiac markers, lipids, therapeutic drugs, proteins, immunoassay parameters and an electrophoretic protein breakdown.

- Liquid for ease-of-use
- Human based serum
- High levels of CRP and other proteins eliminate the need for separate controls
- Stable to expiry date at -20°C to -70°C
- Open vial stability of 7 days at 2°C to 8°C
- Typical values provided for all analytes

Description	Size	Cat. No.
Liquid Chemistry Premium Plus Level 1	12 x 5 ml	LUL5069
Liquid Chemistry Premium Plus Level 2	12 x 5 ml	LUN5070
Liquid Chemistry Premium Plus Level 3	12 x 5 ml	LUE5071
Liquid Chemistry Premium Plus Level 1	12 x 10 ml	LUL5093
Liquid Chemistry Premium Plus Level 2	12 x 10 ml	LUN5094
Liquid Chemistry Premium Plus Level 3	12 x 10 ml	LUE5095

Chemistry Premium Control

Analytes			
Cardiac CK	Drugs Lithium	Bilirubin (Total) Calcium Chloride	Lipase Magnesium Phosphate (Inorganic)
Lipids Cholesterol Triglycerides	Routine Chemistry Acid Phosphatase (Prostatic) Acid Phosphatase (Total) Albumin	Cholinesterase Creatinine γ GT Glucose GLDH	Potassium Sodium TIBC UIBC Urea
Proteins IgA IgG IgM Total Protein Transferrin	Alkaline Phosphatase (ALP) ALT (GPT) Amylase Amylase (Pancreatic) AST Bilirubin (Direct)	α -HBDH Iron Lactate LAP LD (LDH)	Uric Acid (Urate)

A multi-analyte, assayed control designed for use in the routine monitoring of both accuracy and precision. Temperature specific target values and ranges are provided for the most common methods. The control contains 40 analytes, including routine chemistries and proteins.

- Lyophilised for enhanced stability
- Human based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C or 4 weeks at -20°C

Description	Size	Cat. No.
Chemistry Premium Level 2	12 x 5 ml	HN5067
Chemistry Premium Level 3	12 x 5 ml	HE5068
Serum Diluent	20 x 5 ml	MS5007

Assayed Chemistry Premium Plus Control

Analytes			
Cardiac CK	HDL Cholesterol NEFA Triglycerides	Routine Chemistry Acid Phosphatase (Prostatic) Acid Phosphatase (Total) Acid Phosphatase (Non-Prostatic) Albumin Alkaline Phosphatase (ALP) ALT (GPT) Amylase Amylase (Pancreatic) AST (GOT) Bicarbonate Bile Acids Bilirubin (Direct) Bilirubin (Total) Cholinesterase Calcium Chloride Creatinine Glucose γGT GLDH α-HBDH D-3-Hydroxybutyrate Iron	TIBC LAP LD (LDH) Lipase (Colorimetric) Lipase (Turbidimetric) Lactate Magnesium Osmolality Phosphate (Inorganic) Potassium Sodium Urea Uric Acid (Urate)
Electrophoresis Albumin α-1-globulin α-2-globulin β-1-globulin γ-globulin	Proteins IgA IgG IgM Total Protein Transferrin		
Immunoassay Cortisol Folate PSA TSH Total T ₃ Free T ₄ Total T ₄ Vitamin B12	Trace Metals Copper Zinc		
Lipids Apolipoprotein A-I Apolipoprotein B Cholesterol	Drugs Digoxin Gentamicin Lithium Paracetamol Salicylate Theophylline Tobramycin		

A comprehensive assayed chemistry control designed for use in the routine monitoring of both accuracy and precision. This product contains method, instrument and temperature specific target values and ranges for 70 analytes on a wide range of analysers. Electrophoresis targets are also provided as a % breakdown of total protein.

- Lyophilised for enhanced stability
- Human based serum
- Typical Osmolality values: Level 2 is 300 mOsm/kg, Level 3 is 370 mOsm/kg
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C or 4 weeks at -20°C

Description	Size	Cat. No.
Assayed Chemistry Premium Plus Level 2	20 x 5 ml	HNI530
Assayed Chemistry Premium Plus Level 3	20 x 5 ml	HEI532
Assayed Chemistry Premium Plus Level 2 & 3	2 x 5 x 5 ml	HS2611
Serum Diluent	20 x 5 ml	MS5007

Precision Chemistry Premium Plus Control

Analytes			
Cardiac CK Myoglobin Troponin I	HDL Cholesterol NEFA Triglycerides	Drugs Carbamazepine Digoxin Gentamicin Lithium Paracetamol Phenobarbital Phenytoin Salicylate Theophylline Tobramycin Valproic Acid Vancomycin	Bilirubin (Direct) Bilirubin (Total) Cholinesterase Calcium Chloride Creatinine γGT Glucose GLDH α-HBDH D-3-Hydroxybutyrate Iron TIBC LAP LD (LDH) Lipase Lactate Magnesium Osmolality Phosphate (Inorganic) Potassium Sodium UIBC Urea Uric Acid (Urate)
Immunoassay AFP CEA Cortisol Folate Free T ₃ Free T ₄ hCG Prolactin PSA Total T ₃ Total T ₄ TSH Vitamin B12	Proteins α-1-Acid Glycoprotein α-1-Antitrypsin Ceruloplasmin Complement C ₃ Complement C ₄ CRP Ferritin Haptoglobin IgA IgE IgG IgM Prealbumin Total Protein Transferrin	Routine Chemistry Acid Phosphatase (Prostatic) Acid Phosphatase (Total) Albumin Alkaline Phosphatase (ALP) ALT (GPT) Amylase Amylase (Pancreatic) AST (GOT) Bicarbonate Bile Acids	
Lipids Apolipoprotein A-I Apolipoprotein B Cholesterol	Trace Metals Copper Zinc		

Multi-analyte control designed for use in the routine monitoring of precision. Contains 86 analytes, including a wide range of proteins, lipids and immunoassay parameters, with additional analytes present at measurable levels.

- Lyophilised for enhanced stability
- Human based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C or 4 weeks at -20°C

Description	Size	Cat. No.
Precision Chemistry Premium Plus Level 2	20 x 5 ml	UNI557
Precision Chemistry Premium Plus Level 3	20 x 5 ml	UEI558
Serum Diluent	20 x 5 ml	MS5007

Bovine Chemistry Assayed Control

Analytes			
Cardiac CK	Proteins Total Protein	Alkaline Phosphatase (ALP)	D-3-Hydroxybutyrate
Immunoassay Cortisol PSA Total T ₃ Free T ₄ Total T ₄	Trace Metals Copper Zinc	ALT (GPT) Amylase AST (GOT) Bicarbonate Bile Acids Bilirubin (Direct) Bilirubin (Total) Calcium Chloride Creatinine Glucose γGT GLDH α-HBDH	Iron Lactate LD (LDH) Lipase Magnesium Osmolality Phosphate (Inorganic) Potassium Sodium TIBC Urea Uric Acid (Urate)
Lipids Cholesterol NEFA Triglycerides	Routine Chemistry Acid Phosphatase (Prostatic) Acid Phosphatase (Total) Acid Phosphatase (Non-Prostatic) Albumin		

A comprehensive bovine based, assayed serum designed for use in the routine monitoring of accuracy and precision. This product contains method, instrument and temperature specific values for 45 analytes and is especially suited to veterinary laboratories, due to the inclusion of commonly used veterinary parameters such as NEFA, Bile Acids, Lactate and D-3-Hydroxybutyrate.

- Lyophilised for enhanced stability
- Bovine based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C or 4 weeks at -20°C

Description	Size	Cat. No.
Bovine Chemistry Assayed Level 1	20 x 5 ml	AL1027
Bovine Chemistry Assayed Level 2	20 x 5 ml	AN1026
Bovine Chemistry Assayed Level 3	20 x 5 ml	AE1032
Serum Diluent	20 x 5 ml	MS5007

Bovine Chemistry Precision Control

Analytes			
Cardiac CK	Proteins Total Protein	ALT (GPT) Amylase AST (GOT) Bicarbonate Bile Acids Bilirubin (Direct) Bilirubin (Total) Calcium Chloride Creatinine Glucose γGT GLDH α-HBDH D-3-Hydroxybutyrate	Iron Lactate LD (LDH) Lipase Magnesium Osmolality Phosphate (Inorganic) Potassium Sodium TIBC Urea Uric Acid (Urate)
Immunoassay Cortisol PSA Total T ₃ Free T ₄ Total T ₄	Trace Metals Copper Zinc		
Lipids Cholesterol NEFA Total Lipids Triglycerides	Routine Chemistry Acid Phosphatase (Prostatic) Acid Phosphatase (Total) Albumin Alkaline Phosphatase (ALP)		
	Drugs Lithium		

A comprehensive bovine based serum designed for use in the routine monitoring of precision. Contains 45 analytes including commonly used veterinary parameters such as NEFA, Bile Acids, Lactate and D-3-Hydroxybutyrate.

- Lyophilised for enhanced stability
- Bovine based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C or 4 weeks at -20°C

Description	Size	Cat. No.
Bovine Chemistry Precision Level 1	20 x 5 ml	SLI084
Bovine Chemistry Precision Level 2	20 x 5 ml	SNI085
Bovine Chemistry Precision Level 3	20 x 5 ml	SEI086
Serum Diluent	20 x 5 ml	MS5007

Clinical Chemistry Calibration Serum

Analytes			
Cardiac	Routine Chemistry	Cholinesterase	Sodium
CK	Acid Phosphatase (Non-Prostatic)	Creatinine	TIBC
	Acid Phosphatase (Prostatic)	D-3-Hydroxybutyrate	Urea
Lipids	Acid Phosphatase (Total)	γGT	Uric Acid (Urate)
Cholesterol	Albumin	GLDH	
Triglycerides	Alkaline Phosphatase (ALP)	Glucose	
	ALT (GPT)	α-HBDH	
Proteins	Amylase (Pancreatic)	Iron	
Total Protein	Amylase (Total)	Lactate	
	AST	LDH	
Drugs	Bicarbonate	LAP	
Lithium	Bile Acids	Lipase	
	Bilirubin (Direct)	Magnesium	
Trace Metals	Bilirubin (Total)	Osmolality	
Copper	Calcium	Phosphate (Inorganic)	
Zinc	Chloride	Potassium	

Multi-analyte calibrator designed for use in the calibration of commonly used clinical chemistry parameters. Method, instrument and temperature specific values are provided for 42 analytes on a wide range of clinical analysers.

- Lyophilised for enhanced stability
- Human based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C or 4 weeks at -20°C

Description

Clinical Chemistry Calibration Serum Level 2
Clinical Chemistry Calibration Serum Level 3

Size

20 × 5 ml
20 × 5 ml

Cat. No.

CAL2350
CAL2351

Aldolase Control and Calibrator

Dedicated Aldolase control specifically designed to monitor the accuracy and precision of aldolase assays on a wide range of clinical chemistry instruments.

- Lyophilised for enhanced stability
- Human based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 5 days at 2°C to 8°C

Description	Size	Cat. No.
Aldolase Calibrator	3 x 1 ml	AD5000
Aldolase Control Level 2	3 x 1 ml	AD5001
Aldolase Control Level 3	3 x 1 ml	AD5002

Ammonia Ethanol Control

Analytes	
Ammonia	Ethanol

A liquid ready-to-use control designed to monitor both the accuracy and precision of Ammonia and Ethanol assays.

- Liquid ready-to-use
- Aqueous material
- Stable to expiry date at 2°C to 8°C
- Open vial stability of 30 days at 2°C to 8°C

Description	Size	Cat. No.
Ammonia Ethanol Control Level 1	6 x 2 ml	EA1366
Ammonia Ethanol Control Level 2	6 x 2 ml	EA1367
Ammonia Ethanol Control Level 3	6 x 2 ml	EA1368

Bilirubin (Elevated) Control

Analytes	
Total Bilirubin	Direct Bilirubin

A bovine based serum control designed for use in the routine monitoring of both accuracy and precision. This product is suitable for monitoring paediatric bilirubin levels and contains method specific target values and ranges.

- Lyophilised for enhanced stability
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 5 days at 2°C to 8°C

Description	Size	Cat. No.
Bilirubin Elevated Control	10 x 3 ml	BE454

Glycerol Control

Dedicated Glycerol control designed for use in the routine monitoring of both accuracy and precision.

- Lyophilised for enhanced stability
- Human based serum
- Stable to expiry date at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C

Description	Size	Cat. No.
Glycerol Control	3 x 5 ml	GY1369

Multi Control and Calibrator

Analytes		
Ammonia		Glutamate
Glucose		Lactate

A multi-analyte control designed for use in the routine monitoring of accuracy and precision.

- Liquid ready-to-use
- Human based serum
- Stable to expiry date at 2°C to 8°C
- Once opened stable to expiry date at 2°C to 8°C

Description	Size	Cat. No.
Multi Calibrator	3 x 2 ml	MCI382
Multi Control Level 1	5 x 2 ml	MCI379
Multi Control Level 2	5 x 2 ml	MCI380
Multi Control Level 3	5 x 2 ml	MCI381

***FOR BIOTECHNOLOGY INDUSTRIAL USE.**
Not for use in diagnostic procedures.

Glutamine Control

A dedicated control designed for use in the quality control of the Randox Glutamine assay.

- Lyophilised for enhanced stability
- 100% human material
- Stable to expiry at 2°C to 8°C
- Reconstituted stability of 7 days at 2°C to 8°C

Description	Size	Cat. No.
Glutamine Control Level 1	5 x 5 ml	GMI376
Glutamine Control Level 2	5 x 5 ml	GMI377
Glutamine Control Level 3	5 x 5 ml	GMI378
Glutamine Calibrator	3 x 5 ml	GMI375

***FOR BIOTECHNOLOGY INDUSTRIAL USE.**
Not for use in diagnostic procedures.