

QCCCAL1 / QCCCAL2 (2-8°C)

CALIBRATION SERUM (LYOPHILISED)

DESCRIPTION	QCCCAL1	QCCCAL2
CALIBRATION SERUM	1x3ml	5x3ml

Intended Use:

Prestige Diagnostics Clinical Chemistry Calibration serum is a lyophilised material that is intended to be used as a calibration material for clinical chemistry assays.

Preparation and Stability:

Unopened vials are stable up to the expiry date on the vial label when stored tightly capped at 2 - 8°C.

Open the vial carefully without the loss of any lyophilised material and add 3ml (Three ml) of distilled water. Swirl gently and ensure that all the material has gone into solution. Set aside for 30 minutes, mix gently and use.

Once reconstituted, the material is stable for a period of 7 days when stored tightly capped at 2 - 8°C. (Aliquot and store for 1 month at -20°C)

Assayed values:

Value assignment is performed in a number of European reference laboratories and is a mean of the results thus obtained.

NOTES:

Once reconstituted Bilirubin is stable for 1 day at 2 - 8°C. Freezing does not increase stability of Bilirubin in the serum. For use with Alkaline phosphatase, stand the serum for 1 hour at room temperature after reconstitution and before use. For Total and Prostatic Acid Phosphatase, stabilise the serum by adding 30ul of 0.7 M acetic acid for every ml of serum after 30 minutes of reconstitution.

All individual donor units used in the manufacture of this lot of controls have been tested and found to be non-reactive for HBsAg and negative for antibodies to HIV and HCV. As with all blood products, this product should be handled as potentially infectious biological material.

Summary of Values:

LOT NO. A3484 EXP. 2021/12

METHODOLOGY BASED VALUES:

ANALYTE	METHOD	TARGET
Albumin	Bromocresol Green	3.57 g/dl
Alkaline Phosphatase	AMP Buffer IFCC 37°C	226 U/l
	DEA Buffer DGKC 37°C	446 U/l
ALT (GPT)	Tris Buffer without P5P 37°C	103 U/l
Amylase Pancreatic	EPS Immuno-inhibition 37°C	168 U/l
Amylase Total	EPSG7	181 U/l
AST (GOT)	Tris Buffer without P5P 37°C	105 U/l
Bilirubin Direct	DCA	2.37 mg/dl
Bilirubin Total	DCA	4.03 mg/dl
Calcium	Arsenazo III	10.3 mg/dl
	Phosphonazo	11.1 mg/dl
Cholesterol	CHOD PAP	168 mg/dl
Cholinesterase	Butyrylthiocholine 37°C	4558 U/l
CK NAC (Total)	DGKC 37°C	363 U/l
Creatinine	Jaffe without deproteinization	3.87 mg/dl
	Enzymatic	3.90 mg/dl
Gamma GT	Szasz liquid stand. IFCC	145 U/l
Glucose	GOD PAP	192 mg/dl
	Hexokinase	192 mg/dl

Serum Iron	Colorimetric - Ferene	188 ug/dl
Lactate	Lactate Oxidase	28.0 mg/dl
Lactate Dehydrogenase (LDH)	L-P IFCC 37°C	276 U/l
	P-L DGKC 37°C	460 U/l
Lipase	Colorimetric	95.8 U/l
Magnesium	Xylidyl Blue	2.85 mg/dl
Inorganic Phosphorus	Molybdate UV	5.65 mg/dl
Protein Total	Biuret without sample blank	5.75 g/dl
Triglycerides	GPO PAP	136 mg/dl
Urea	Urease Kinetic	106 mg/dl
	Urease Hypochlorite	111 mg/dl
Uric Acid	Uricase – TOOS	5.51 mg/dl
	Uricase – TBHBA	5.44 mg/dl