

# XL MULTICAL

Cat. No.	Pack Name	Packaging (Content)
XSYS0034	XL MULTICAL	4 × 3 mL



## INTENDED USE

XL Multical is a lyophilized calibrator based on human serum. The concentrations and activities are suitable for calibration of clinical chemistry assays on automated clinical chemistry analyzers.

## STORAGE AND HANDLING

Unreconstituted lyophilized calibrator is stable till the expiry date mentioned on the label when stored at 2–8 °C.

Stability of the reconstituted calibrator\*:

at 15–25 °C	8 hours
at 2–8 °C	2 days
at (-25) – (-15) °C	4 weeks (when frozen once)

### \*Exceptions:

Stability of Total Bilirubin in the reconstituted calibrator (when stored protected from light):

at 15–25 °C	6 hours
at 2–8 °C	1 day
at (-25) – (-15) °C	2 weeks (when frozen once)

Stability of Direct Bilirubin in the reconstituted calibrator (when stored protected from light):

at 15–25 °C	3 hours
at 2–8 °C	8 hours
at (-25) – (-15) °C	2 weeks (when frozen once)

Store calibrator tightly capped and protected from light when not in use. Store vials upright to avoid spills and leakage. Seal the vials tightly after use to prevent evaporation.

## RECONSTITUTION

1. Remove the screw cap and rubber stopper from the vial to be used. Avoid loss of lyophilizate.
2. Add exactly 3.0 mL of distilled/deionized water using a volumetric pipette.
3. Replace the stopper and cap for each vial and dissolve the contents on a roller mixer completely by occasional gentle swirling within 30 minutes. Avoid the formation of foam.

## VALUE ASSIGNMENT

The calibrator values were determined using the method mentioned in the enclosed value sheet. The calibrator values were obtained via single determination performed in different laboratories and the values assigned by a consensus of the results obtained by these laboratories.

## LIMITATIONS

Erroneous results can occur from reconstitution inaccuracies and technical errors associated with the assay procedure.

Do not use the reconstituted calibrator if there is visible evidence of microbial growth in the vial.

## WARNING

Human source material used in the manufacturing of this product has been tested by FDA – approved methods and found non reactive for hepatitis B, surface antigen (HbsAg), antibody to Hepatitis C (HCV) and antibody to HIV 1/2.

The test procedures do not guarantee that all infectious agents will be detected. Because no test method can offer complete assurance that Hepatitis B virus, Hepatitis C virus and HIV 1/2 or other infectious agents are absent, the material should be handled as potentially infectious.

## NOTE

Values for XL analysers are now available on websites: [www.erba.com](http://www.erba.com).

• Product Support → XL-analysers: Calibrator/control values for uploading

Lot No.: XXXXXXX

Expiry: YYYY-MM

## ASSAYED VALUES USING XL SysPack REAGENT

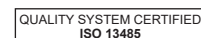


Short name	Parameter	Methodology	Unit	Value
ALBD	Albumin	BCG	g/dL	0.00
ALPU	Alkaline phosphatase	IFCC with AMP buffer	U/L	0
SGPTD	Alanine aminotransferase	IFCC without PDP	U/L	0.0
AMY	Amylase	CNPG3	U/L	0
SGOTD	Aspartate aminotransferase	IFCC without PDP	U/L	0.0
BIDD	Bilirubin Direct	Diazo with sulphanilic acid	mg/dL	0.00
BDDCD	Bilirubin Direct	Diazo with dichloraniline (DCA)	mg/dL	0.00
BIT	Bilirubin Total	Diazo with sulphanilic acid	mg/dL	0.00
BTDCD	Bilirubin Total	Diazo with dichloraniline (DCA)	mg/dL	0.00
CA	Calcium	Arsenazo III	mg/dL	0.0
CHOL	Cholesterol	CHOD-PAP	mg/dL	0
CKNac	Creatine kinase NAC	IFCC	U/L	0
CKMbD**	Creatine kinase MB	Immunoinhibition	U/L	0
CLO	Chloride	Mercuric Thiocyanate	mmol/L	0
CRE	Creatinine	Jaffe's kinetic	mg/dL	0.00
CRENZ	Creatinine	Enzymatic	mg/dL	0.00
GGT	Gamma-glutamyl transferase	Glupa-C; standardized against IFCC	U/L	0
GLU	Glucose	GOD-POD	mg/dL	0
GLHK	Glucose	Hexokinase	mg/dL	0
LDH	Lactate dehydrogenase	DGKC	U/L	0
LIP	Lipase	Enzymatic colorimetric test	U/L	0
MGXB	Magnesium	Xylidyl Blue	mg/dL	0.00
PHOS	Phosphorus	Ammonium Molybdate UV	mg/dL	0.00
PRO	Total Protein	Biuret	g/dL	0.00
TRIG	Triglycerides	GPO-Trinder (two reagents)	mg/dL	0.00
UA	Uric Acid	Uricase-Trinder	mg/dL	0.0
UREA	Urea	Urease - GLDH, kinetic	mg/dL	000

\*\* Higher CK-MB to total CK ratio is due to the atypical ratio of the individual isoenzyme fractions.

## USED SYMBOLS

LOT	Lot Number	IVD	In vitro Diagnostics	See Instruction for Use	
REF	Catalogue Number	Manufacturer		CONT	Content
Expiry Date		Storage Temperature			



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 N/06/26/N/INT  
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