

# Microalbumin High Level Calibrator

## ✓ REFERENCE

High Level microalbumin calibrator	MAREH-001	1 ml	2-8°C
	MAREH-005	5 ml	2-8°C
Human albumin in synthetic urine standardised from a secondary preparation of human albumin and ERM-DA470k/IFCC, sodium azide (< 1g/l)			

## ✓ SAMPLES AND REFERENCE VALUES

See the corresponding reagents technical sheet.

## ✓ COMPOSITION

The microalbumin high level calibrator is a synthetic urine containing human albumin at fixed value diluted in HEPES pH 7.4 buffer containing stabilisers and sodium azide (<1g/l) as preservative.

## ✓ PRINCIPLE OF TEST

The human albumin reacts upon a specific antibody for human albumin and the turbidity induced by the formation of immune complexes is recorded at 340 nm. The turbidity measured is directly proportional to the albumin concentration of the calibrator which can be used for the quantitative determination of microalbumin in immunoturbidimetry.

## ✓ PRECAUTIONS

For in vitro single diagnostic use. To be handled by entitled Personnel. Products from human source were tested and found free from HBsAg and antibodies to HCV and HIV but this material should be treated just as carefully as potentially infective.

Products containing sodium azide have to be handled with care; avoid ingestion and contact with skin and mucous membranes. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

## ✓ ANALYTICAL PERFORMANCES

See the corresponding reagents technical sheet.

## ✓ PREPARATION AND REAGENTS STABILITY

The calibrator is ready for use; once opened, it is stable until expiry date if stored stoppered in appropriate temperature conditions and without any contamination (avoid pipetting and decantation).

## ✓ METHOD OF ANALYSIS AND CALCULATION

See the corresponding reagents technical sheet.

## ✓ QUALITY CONTROL

**Accuracy and reproducibility:** analytical performances can be checked with the internal quality control serum of the laboratory or with the Lipocheck™ (BIO-RAD) Control urines (see the values range obtained with DiAgam reagents and indicated on the accompanying BIO-RAD sheet).

**Calibration:** calibration curve and stability of calibration curve can be validated with the DiAgam calibration control (MACON-002).

In case of analytical performances modification, calibrate the method again and contact the manufacturer if modifications are subsisting.

## ✓ BIBLIOGRAPHY

(1) Certification of proteins in the human serum. Certified Referenced Material ERM®-DA470k/IFCC. I. Zegers et al. <http://irmm.jrc.ec.europa.eu/>

(2) Miller, W.G. et al. Current issues in measurement and reporting of urinary albumin excretion. Clin. Chem. (2009); 55:1: 24-38.



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<b>Microalbumin</b>	<b>CAL</b>	<b>H</b>
	<b>mg/l</b>	
	<b>certified value</b>	<b>uncertainty</b>
	<b>250</b>	<b>12.5</b>

*The certified uncertainty is the half-width of the 95 % confidence interval of the mean.*

*Values assigned from a secondary preparation of human albumin and from the reference ERM-DA470k/IFCC.*