



BIOMILK³⁰⁰

Biosensor for analysing Lactose in lactose free dairy products



General description

BIOMILK 300 LAC is a compact analytical device for the quantification of lactose in lactose free dairy products in a precise, simple and fast way.

The BIOLAN's biosensors combine the high specificity and selectivity of the specific enzyme with an amperometric transduction of this biological signal, easily detectable and quantifiable.

Technical specifications

- **Linear ranges of analysis:**
 - 50-200 mg/L: liquid samples; LC, 50 mg/L; maximum uncertainty of 15%.
 - 0,2-2 g/L: liquid and solid samples; LC, 0,2 g/L; maximum uncertainty of 15%.
 - 0,5-6 g/L: liquid and solid samples; LC, 0,5 g/L; maximum uncertainty of 15%.
- **Preparation of sample:**
 - Liquid samples: previous pre-treatment with activated charcoal.
 - Solid samples: 1/10 dilution.
- **Analysis time:** 5 minutes.



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Products

BIOMILK 300: Detection device. Dimensions: 26cm x 22cm x 26cm. 4,6 kg.

Biotest: Analysis consumable.

Calibration kit: Reactive for the calibration.

Measurement kit: Measuring reagent to the analysis.

Reference	Description
BM300-01	BIOMILK 300 Lactose
BM300-02	BIOMILK 300 2 parameters (Lactose + Glucose)
BTLAC10	Biotest 10 analysis
BTLAC20	Biotest 20 analysis
BTLAC50	Biotest 50 analysis
KITCLAC	Calibration reactive for 1 month
KITMLAC1	Measuring reactive 160 analysis
KITMLAC2	Measuring reactive 640 analysis
ELEREFN	Reference electrode
BIOLABBM	Pipettes, pump, bottles

Additional material required

Micropipettes, distilled water, dispenser.