

# lactosens<sup>®</sup>R

for NOLA™ Fit

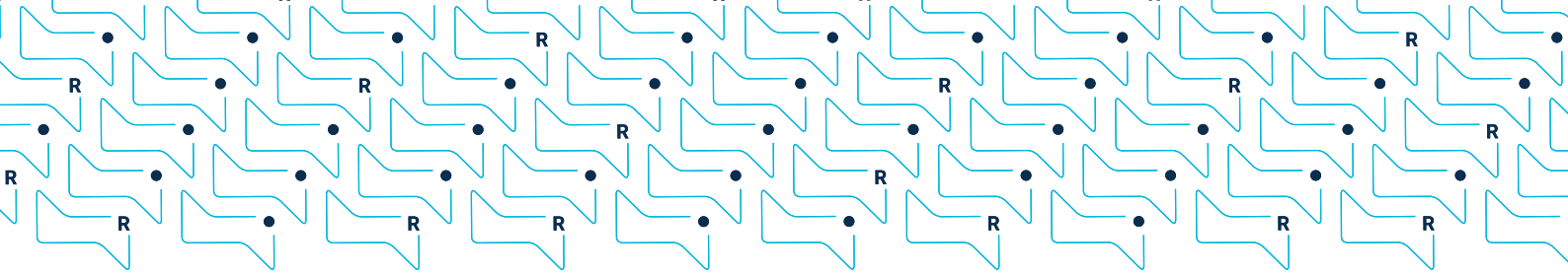
## Lactose Biosensor Assay Kit

Resilient and robust, fast and precise detection of lactose  
in lactose-free and low-lactose dairy products



LactoSens<sup>®</sup>R for NOLA™ Fit is a resilient and robust biosensor assay kit providing reliable results within a minute. The method is applicable for a vast range of milk products, from milk to mozzarella (complete list see [www.lactosens.com](http://www.lactosens.com)) and gives accurate results even in the presence of fruit preps or added flavors (e.g. cocoa, coffee).

The method convinces with its simplicity and accuracy. Already factory calibrated, a simple 1 plus 1 sample dilution is enough to enable results equivalent to the reference method HPLC (ISO 2262 IDF 198). This makes LactoSens<sup>®</sup>R for NOLA™ Fit the perfect choice for product release, process optimization and product development.



## LactoSens®R System

LactoSens®R Assay Kit for NOLA™ Fit (LK1325) including:

25 Biosensors

Dilution Buffer (LB10)

Positive Control (LC13)

LactoSens®R Reader Kit (LR10) including:

LactoSens®R Reader

LactoSens®R Adapter (LA10)

QR Code Scanner and USB cable (LQ01)

LactoSens® Calibration Device (LM10)

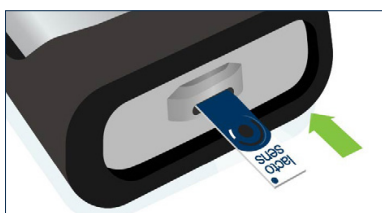
LactoSens® Software

## Advantages

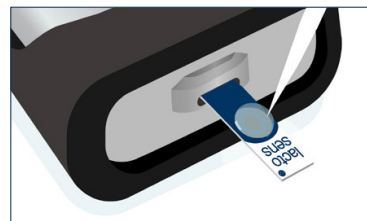
- Easy sample preparation (1 plus 1 dilution)
- Simple handling through intuitive software and procedure
- instant results < 1 minute measuring time
- Quantitation range 0.008 % - 0.2 %
- High accuracy (90 - 110 % recovery) even around the 0.01 % limit
- High reproducibility with a  $RSD_R < 10 \%$
- Dilution buffer and positive control included
- Minimum shelf life 18 months
- Factory calibrated
- Versatile application e.g. for milk, yogurt, curd, milk coffee, cocoa, flavored dairy drinks

## Easy procedure

- Dilute milk product with equal amount of LactoSens®R Buffer e.g. 1 mL or 1 g milk product plus 1 mL or 1 g buffer)
- Scan QR code and open sensor package
- Insert sensor into LactoSens®R Reader



- Add 100  $\mu$ L sample



- LactoSens®R Reader will automatically detect sample and start measurement
- Get results within < 1 min