

DirectSens

oatsens®

Intuitive biosensor to measure the sugar content of sugar free oat and rice drinks.



The Product

OatSens® is a specialized biosensor assay kit designed for sugar free oat and rice drinks, aimed at determining glucose and maltose concentrations. The kit utilizes our patented enzymes to react with glucose and maltose, providing a means to measure their levels. The focus on these sugars is significant for assessing customer preferences regarding sweetness and ensuring the stability and quality control of the manufacturing process.

The Problem

Time Pressure

Fast results for batch release and process control required.

Integration

Time-consuming implementation of measurement into daily routine.

Scope

Common tests only measure one sugar.

Sensitivity

Need for accurate results at 0.5 % level.

Our Solution

Prompt Results

3-minutes time-to-result increases productivity and allows immediate product release.

Ease of Use

Easy sample preparation and test protocol; no training of staff required.

Oat Drink Optimization

Analyse glucose and maltose in one method.

Accurate Results

Calibrated to golden standard HPLC/IC.



Easy Test Procedure



1. Dilute

Dilution of oat/rice drink sample.



2. Scan

Transfer necessary information with a QR code scan.



3. Measure

Apply the sample (100 µL) to the sensor and wait for 1 minute.



OatSens® SugarFree Biosensor Kit



- 25 Biosensors (Nr. 1 & Nr. 2)
- 2 x 125 mL ready to use buffer
- 1 vial positive control (ready to use)
- Manual and QAC

DirectSens® Reader Kit



- Reader classic + USB cable
- QR code scanner
- Testing device
- Software on USB-stick
- Biosensor connector



Specifications

Measurement Range:	0.1 – 1 % Glucose & Maltose
Procedure:	Dilute – Scan – Measure
Overall Analysis Time:	3 minutes
Shelf Life:	2 years at 4°C
Calibration:	Factory calibrated

Ready to bring precision to sugar testing?

Contact DirectSens today!