NEW TECHNOLOGY CAN IMPROVE

CIP CLEANING

GlycoSpot

GLYCOSPOT

TRANSFORM WORKING WITH ENZYMES

Let us explain how

GlycoSpot is a Danish biotechnology company that develops application specific enzyme test methods that are fast to implement and easy to use. We help companies of all sizes to create better and more sustainable food & beverage products by transforming the way they work with enzymes.

This is possible thanks to our GlycoSpot Platform that is designed to make complex analysis faster and much simpler. No lab training is required to perform our high accuracy assays. We offer hassle-free solutions and deliver everything needed to run a test straight from the box. We call it the GlycoSpot Platform and it consists of four elements in a MINI-LAB tech case: The SIRIUS spectrophotometer, The App, The Database & The Test Kit.

MAKE SURE THAT YOU CAN TRUST YOUR ENZYMES

BEFORE, DURING AND AFTER CIP

Do you have the expected levels of
enzyme activity in your CIP process?

Using a protease-based CIP detergent, you can measure the enzymatic activity, ensuring consistent and high-quality cleaning of your equipment. Effective CIP will improve your flow rates in membrane filters and prevent biofilm accumulation and corrosion. It will affect your plant's microbial control and taste, smell, flavour and even shelf life of the final product.

Measure protease activity in the CIP process and ensure your product quality and supply chain security.

ENSURE PROTEASE ACTIVITY

BEFORE CIP

Well begun is half done

Protease degrades over time like all other enzymes. This is usually due to heat exposure and protease' ability to self-digest which impact stability. The GlycoSpot Platform enables a fast and easy quantification of your protease solution before starting the CIP cleaning. Knowing your protease level is essential for a consistent cleaning, as it allows you to take action by adjusting the process if activity has suddenly dropped.

MAXIMIZE YOUR CLEANING PERFORMANCE

DURING CIP

Save time, water, energy, and chemicals

It is challenging to achieve a consistent production performance while reducing the environmental impact and preventing waste of resources. Quantifying your enzymes during CIP can ensure high product quality while saving time, water, energy, and chemicals. This will enable you to optimize your production.

AVOID PROTEASE RESIDUALS

AFTER CIP

Don't worry about enzyme residuals after CIP cleaning

Have you experienced any changes in your product's taste, flavor, or texture after using protease-containing CIP detergents?
Does it concern you that GMO-derived enzymes could end up in your final product?
Are you worried about carry-over effects from protease in sensitive products such as infant powder?
And what about your customers? What documentation requirements do they set?
The GlycoSpot Platform makes it fast and easy and ensures that you don't need to worry about enzyme residuals after CIP cleaning.

HOW IT WORKS

THE GLYCOSPOT PLATFORM

Analyze protease activity with minimum lab training

GlycoSpot provides a complete protease test kit for dairies and other food processing industries. It comes with an easy step-by-step protocol that allows you to perform accurate measurements before, during, and after CIP. Use Bluetooth to connect the GlycoSpot App with SIRIUS and benefit from a simple yet powerful setup. The GlycoSpot App receives measurements from SIRIUS and displays your result in a matter of seconds. Keep track of your analysis by entering a sample ID or a note. Finally, all data is automatically backed up in a cloud database for further analysis and integration with LIMS systems or data lakes.

THE TECH CASE HARDWARE

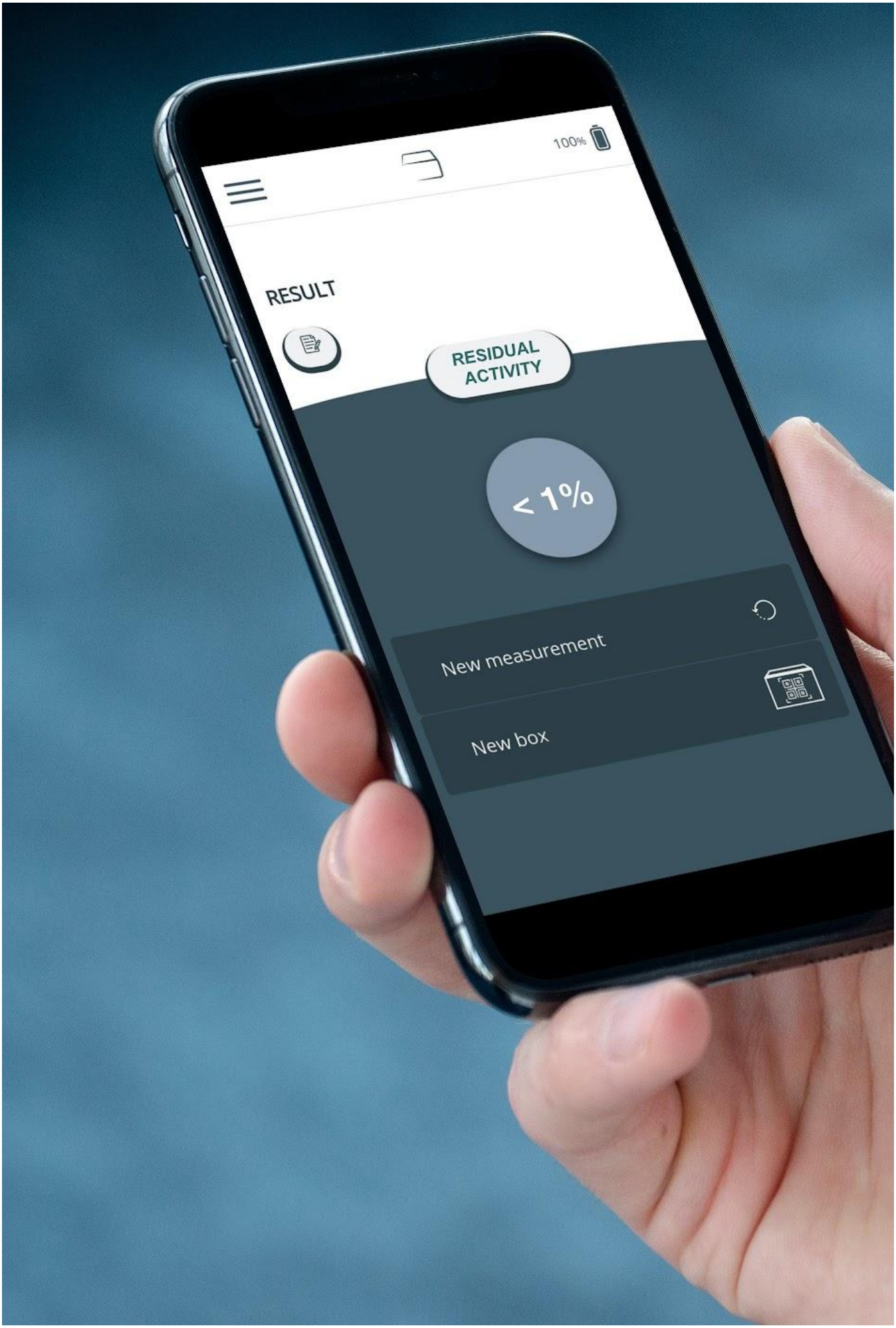
MINI-LAB

THE SOLUTION

SPECS SPEED & THROUGHPUT

A fast and reliable assay built on two simple steps: assay and measurement

GlycoSpot provides all included Test-Kits with premeasured chemicals that allows you to measure protease activity faster than ever. In a standard setup with the MINI-LAB at hand, you will analyze three samples in 15 minutes.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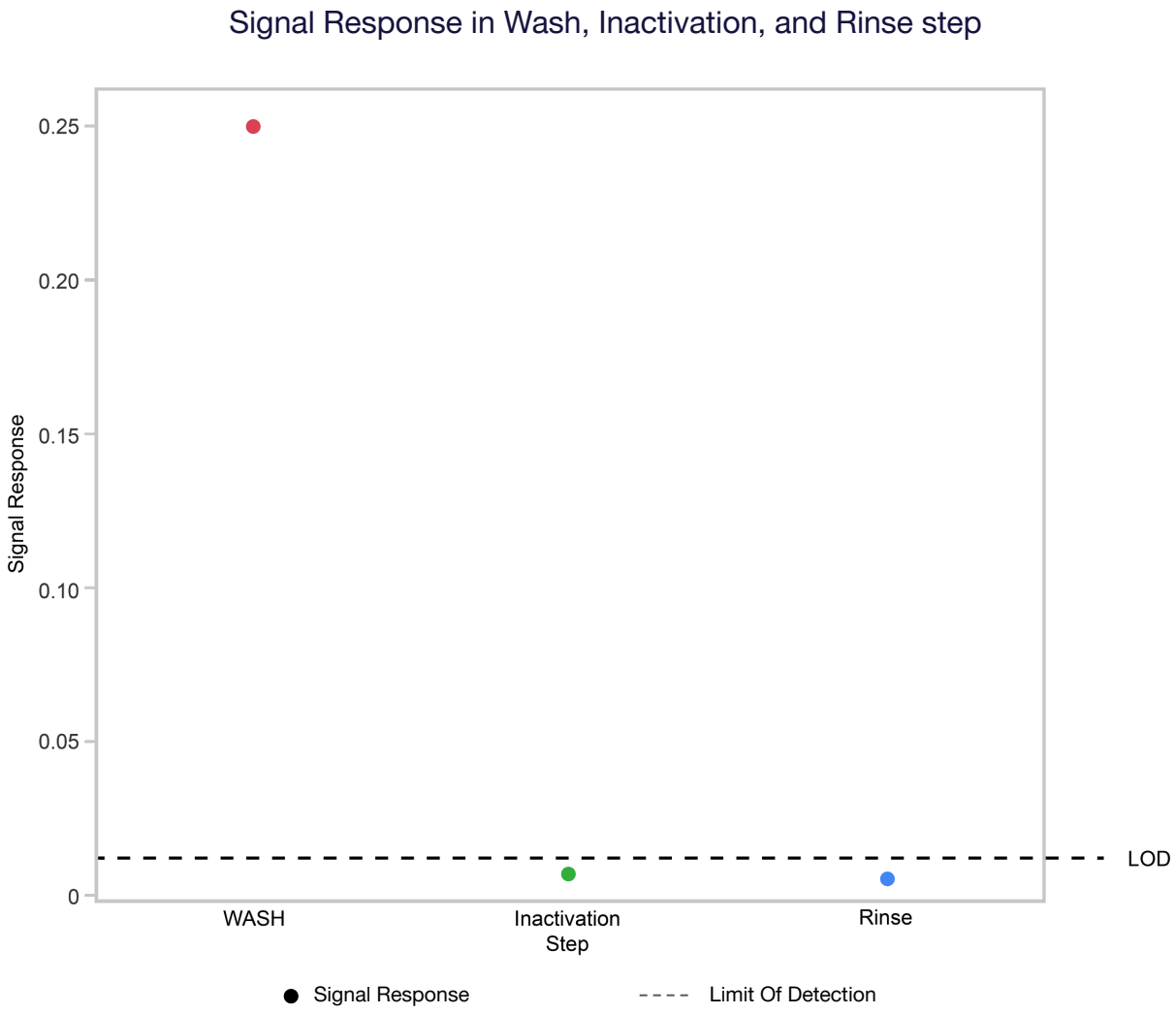

Enzyme activity in your CIP process?

GlycoSpot's protease test kit confirmed high protease activity during the WASH step in a dairy plant's CIP process. GlycoSpot also confirmed the absence of residual protease activity after inactivation and rinse, where the signal strength fell below the assay's detection limit.

GlycoSpot ApS - Østmarken 9 - 2860 Søborg - Denmark - Corp.reg.no.: DK36487976
Tel: +4553830144 - Mail: orders@glycospot.dk - Web: www.glycospot.dk