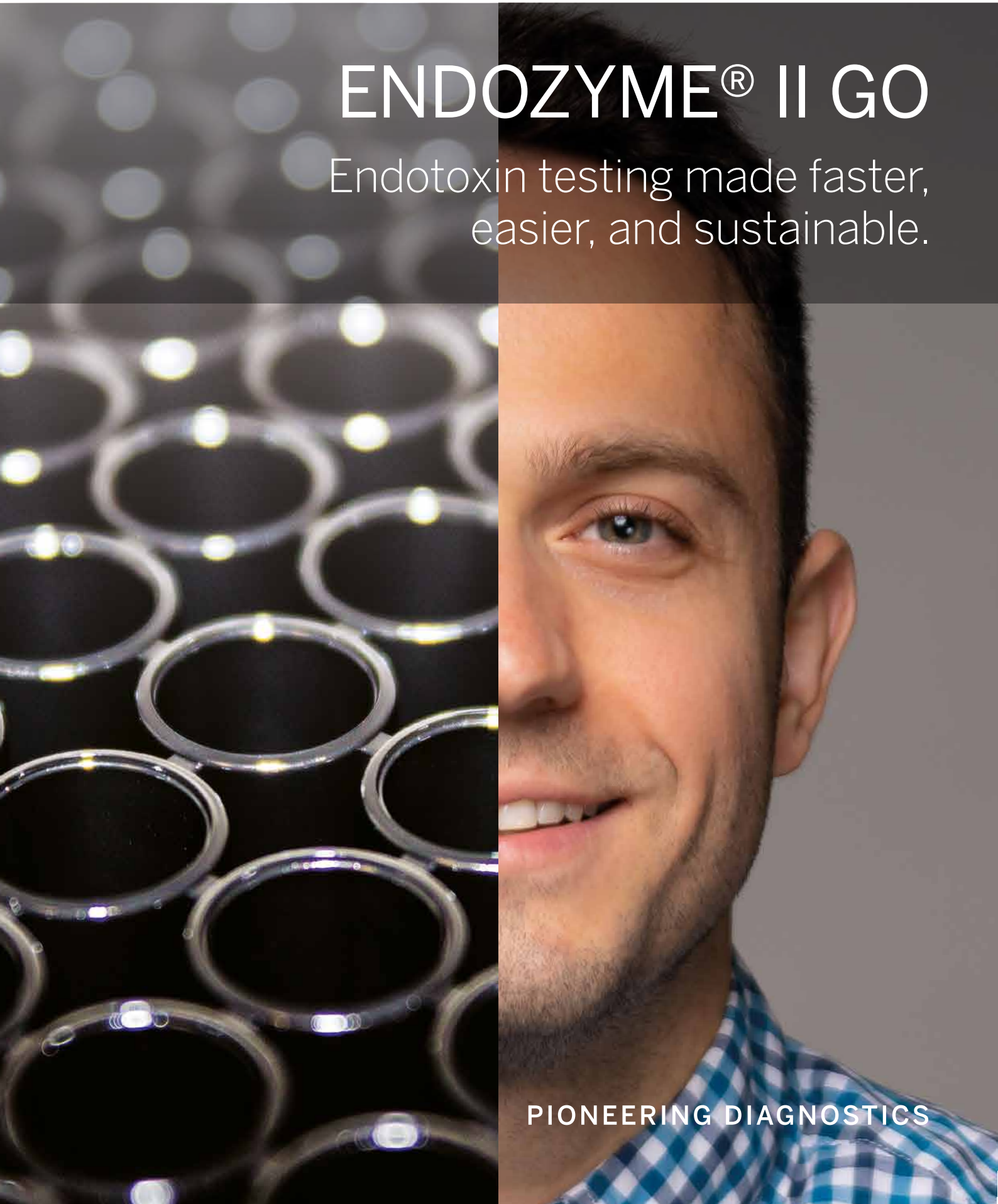
BIOMÉRIEUX

ENDOZYME® II GO

Endotoxin testing made faster, easier, and sustainable.



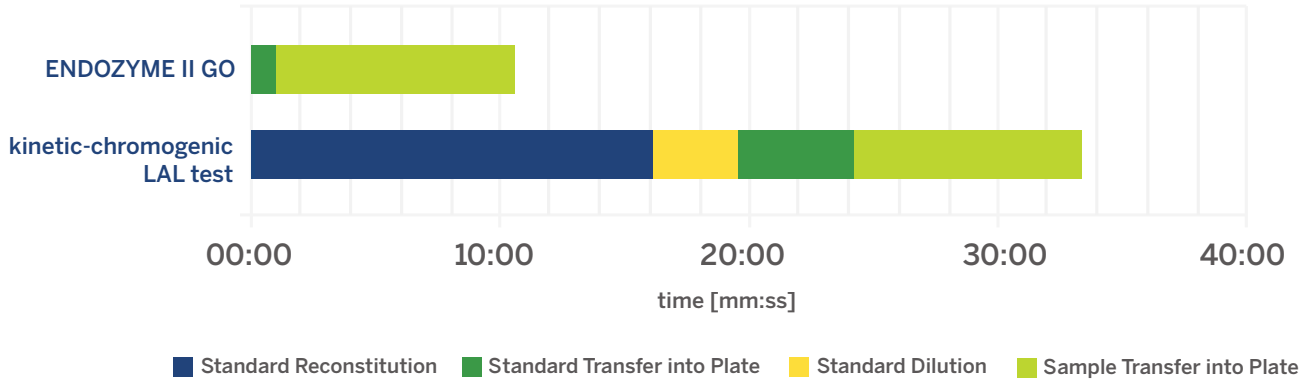
PIONEERING DIAGNOSTICS

More efficient testing that's less prone to handling error.

Thanks to its 96-well pre-filled GOPLATE™, the ENDOZYME® II GO recombinant factor C (rFC) endotoxin detection assay eliminates the need for any vortexing, mixing, diluting, or adding of Control Standard Endotoxin (CSE) to achieve standard curve and PPC.

By significantly reducing hands-on time, ENDOZYME II GO not only makes your lab more efficient—it reduces the risk of invalid results by eliminating manual preparation steps that can be prone to handling error.

STREAMLINE YOUR WORKFLOW WITH REDUCED HANDS-ON TIME.*



WORKFLOW COMPARISON	LAL test	ENDOZYME II GO
Standard Reconstitution	Required	**Not Required**
Preparation	Required	**Not Required**
Standard & PPC Addition	Required	**Not Required**
Sample Addition	Required	Required
Reagent Preparation	Required	Required
Addition of Reagent	Required	Required

LOT-TO-LOT REPRODUCIBILITY WITH RECOMBINANT SCIENTIFIC CHARACTERISATION.**

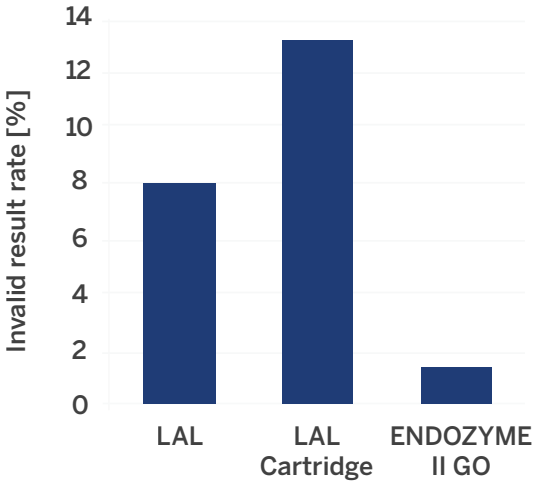
The rFC in ENDOZYME II GO consists of a single recombinant protein and a small fluorescent peptide. This protein content can be measured to perfection and thus certifies no lot variability when using ENDOZYME II GO. Therefore you can ensure the reproducibility of your internal quality control results batch after batch.

OPTIMIZE TESTING COSTS WITH FEWER INVALID RESULTS.***

Invalid results—and the resulting need to investigate and re-test—cost your lab both time and money. The GOPLATE's prefilled standard curve and positive product controls significantly reduce the rate of invalid results when using ENDOZYME® II GO, making your testing more efficient and more cost-effective.

Rate of invalid results

Invalid results in %.





100% ENDOTOXIN SPECIFICITY. NO FALSE POSITIVES.**

The rFC-based assay in ENDOZYME II GO contains no Factor G pathway, the biosensor for ß-glucan that can cause false positives in LAL-based endotoxin testing—even using ß-Glucan blocking buffer. By removing the potential for false-positive results caused by ß-glucan, rFC testing with ENDOZYME II GO delivers straightforward, consistent results.***

* Data on file

** Microcoat Biotechnologie GmbH, "Study for Validation of Recombinant Factor C Reagent (ENDOZYME® II GO) as Alternative Method Compared to Limulus Amebocyte Lysate," 2019

*** Comparison of bacterial endotoxin testing methods in purified pharmaceutical water matrices, Marine Marius



STRIVING FOR SUSTAINABILITY AND THE THREE Rs.

When Russell and Burch proposed the principles of Replacement, Reduction, and Refinement in 1959, they called the eventual replacement of animal-based research, education, and testing the "ultimate goal".[1]

By using recombinant Factor C technology, ENDOZYME II GO is able to directly replace the LAL assay which requires bleeding of live animals—a practice estimated to cause 70,000 animal deaths annually in the USA alone.[2]



LEGISLATIVE & REGULATORY RESPONSIBILITY.

The EU first introduced legislation protecting animals used for experimental or other scientific purposes in 1986, and updated it in 2010.

Directive 2010/63/EU on the protection of animals used for scientific purposes spells out the principles of Replacement, Reduction, and Refinement—and makes systematic consideration of these principles a firm legal requirement when animals are used for scientific purposes in the EU.[3]

1. Russell, W. M. S., Burch, R. L.. 1959. The Principles of Humane Experimental Technique. London, UK: Methuen.

2. Atlantic States Marine Fisheries Commission (2016). 2016 Review of the Atlantic States Marine Fisheries Commission Fisheries Management Plan for Horseshoe Crab (Limulus polyphems) 2015 Fishing Year. Washington, DC.

3. https://ec.europa.eu/

bioMérieux S.A. • 69280 Marcy l'Étoile • France
Tél. : +33 (0)4 78 87 20 00 • Fax : +33 (0)4 78 87 20 90
www.biomerieux-industry.com

06-20 / 9318998.006/GB/A © bioMérieux • Document and/or pictures not legally binding. Modifications by bioMérieux can be made without prior notice • BIOMÉRIEUX, the BIOMÉRIEUX logo, ENDOZYME II GO and GOPLATE are used pending and/or registered trademarks belonging to bioMérieux or one of its subsidiaries or one of its companies • bioMérieux S.A. RCS Lyon 673 620 399 • Printed in France by Masson Communication 438831927 RCS Saint-Malo