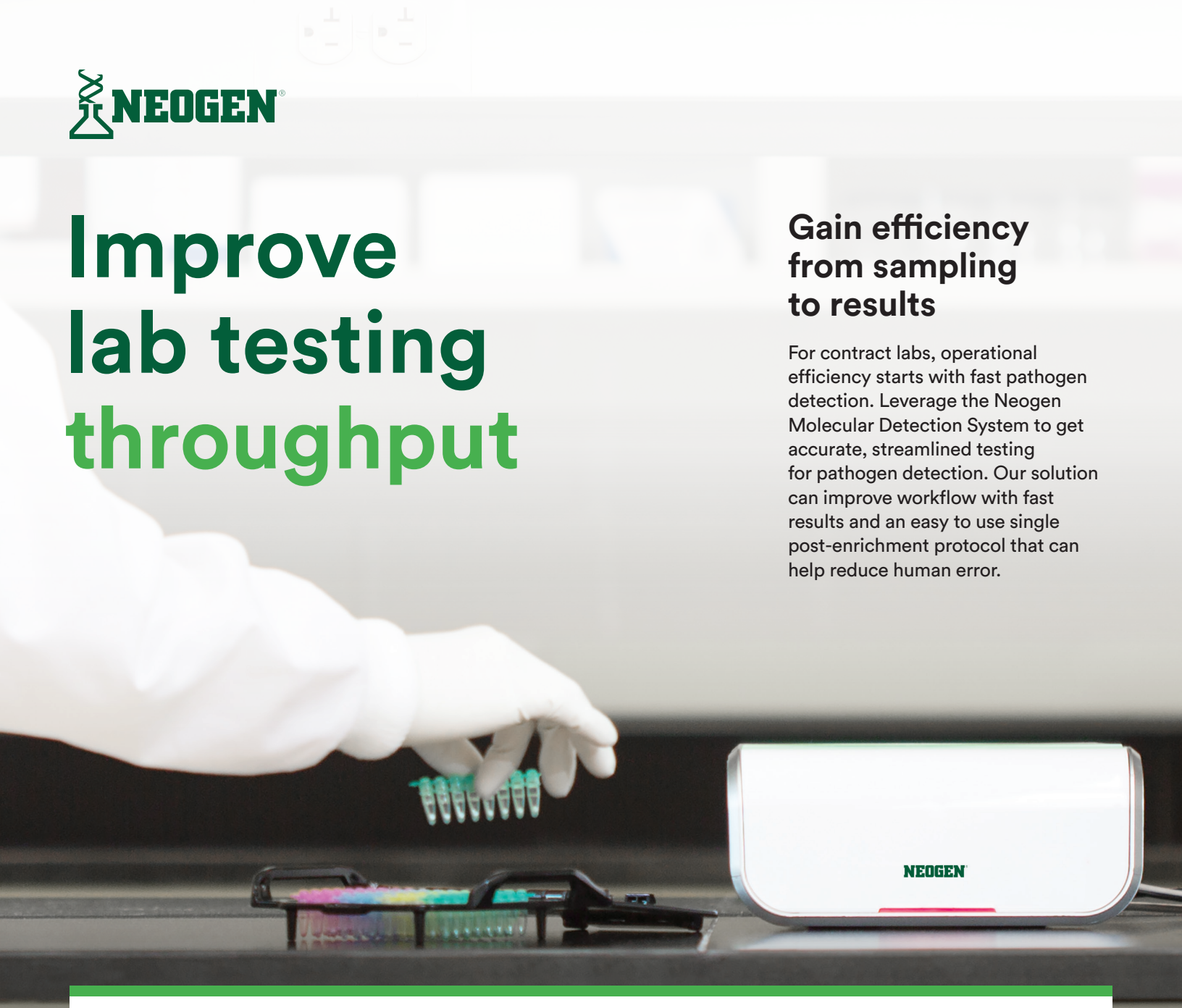
NEOGEN®

Improve lab testing throughput

Gain efficiency from sampling to results

For contract labs, operational efficiency starts with fast pathogen detection. Leverage the Neogen Molecular Detection System to get accurate, streamlined testing for pathogen detection. Our solution can improve workflow with fast results and an easy to use single post-enrichment protocol that can help reduce human error.



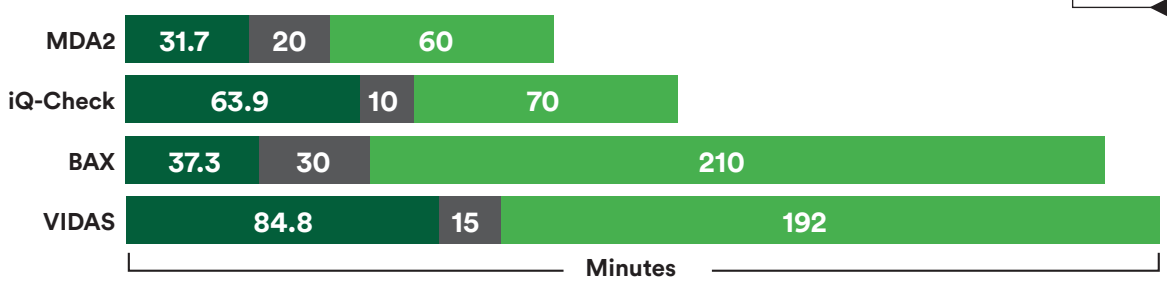
Accurate
Sensitive, robust, specific technique.

Fast
Fewer steps for results in as little as 15 minutes.

Easy to Use
Single post-enrichment protocol for all assays.

Comparing Time-to-Results in *Salmonella* Detection[1]

■ Labor (hands on) time | ■ Sample lysis/incubation time | ■ Instrument run time



Estimated time savings using MDA 2

55.7 fewer hours than iQ-Check*

287 fewer hours than BAX*

312 fewer hours than VIDAS*

*Projected time savings for 10,000 tests, based on study parameters.

Boost productivity with a simple, easy-to-use solution

The Neogen Molecular Detection System is simple to integrate

The Molecular Detection System is designed to make your pathogen testing process easier. There are only two transfer steps in the system, reducing the risk of errors. Combined with a single post-enrichment protocol for all assays, the system reduces the need for extensive technician training. Boost productivity with a solution that easily fits into existing processes.

Process Control

- Instrument self-check
- Software control
- See results as early as 15 minutes
- Matrix control

Protocol

- Single post-enrichment protocol for all assays
- Easy to use
- Less training

Lysis

- Ready-to-use lysis tubes eliminate preparation of lysis solution
- Lysis chemistry based on nanotechnology
- 2-color process control

Validations

- Third-party scientific validations
- No internal amplification control needed for reliable results

Productivity

- 8 pathogen tests that can be run simultaneously
- Sample capacity of 96, with high throughput (up to 384 samples) by connecting 4 instruments with a single computer

Transfer

- 2 transfer steps to help reduce user error
- Ready-to-use reagent tubes

For more information **info.neogen.com/MDS**

Chosen as the primary method of detection for *Salmonella*, *Listeria monocytogenes*, *Listeria* spp., and *Salmonella* Enteritidis /*Salmonella* Typhimurium by the USDA Food Safety and Inspection Service.

[1] Comparison of Four Rapid Pathogen Detection Platforms and the Impact on Technician Labor Time and Time to Result. 3M. 2017. Available at: **https://multimedia.3m.com/mws/media/1237681O/3m-molecular-detection-assay-2-efficiency-white-paper.pdf**

[2] Isolation and identification of salmonella from meat, poultry, pasteurized egg, and siluriformes (fish) products and carcass and environmental sponges. USDA. January 2019. Available at: **https://www.fsis.usda.gov/sites/default/files/media_file/2021-03/mlg-4.pdf**

[3] Isolation and identification of listeria monocytogenes from red meat, poultry, ready-to-eat siluriformes (fish) and egg products, and environmental samples. USDA. January 2019. Available at: **https://www.fsis.usda.gov/sites/default/files/media_file/2021-03/mlg-8.pdf**

FSIS USDA Constituent Update - June 7, 2024
https://www.fsis.usda.gov/news-events/news-press-releases/constituent-update-june-7-2024

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