D³ Array™ SalSure + Serox™

UNIFIED POULTRY TESTING SYSTEM

UNIFIED POULTRY TESTING SYSTEM FOR *SALMONELLA* DETECTION, QUANTITATION AND SEROTYPING

PathogenDx, innovators of D³ (Dynamic Dimensional Detection) Array™ technology, now supports poultry producers with a testing system delivering complete *Salmonella* insight.

Combine D³ Array™ SalSure with Sero^{X}™ for a Unified Poultry Testing System enabling ultimate flexibility in *Salmonella* detection, quantitation, and serotyping—delivering higher overall efficiency and ROI for poultry producers. Select sequential or parallel workflows based on your testing needs.

D³ Array™ SalSure Detection

- *Salmonella* spp, *S. enteritidis*, *S. typhimurium*, *S. 14,[5],12:1 (monophasic typhimurium*, and Megan® Vac 1 and controls in a single array)
- 96 arrays per plate
- 2-hr Simple Carcass Rinsate Enrichment, no primary enrichment needed
- Results in a single shift
- Overall best in-class industry value from a cost, turnaround time, throughput, workflow and accuracy standpoint

D³ Array™ SalSure Quantitation

- Better statistical accuracy with N=6 replicates for improved quantitation, precision, and accuracy
- Without the need to enrich sample, shorter turnaround times
- Results in a single shift
- Overall best in-class industry value from a cost, turnaround time, throughput, workflow and accuracy standpoint

Serox™ Serotyping

- Identify 18 *Salmonella* Serotypes in a single test in each well of a 96-well plate
- Simple carcass rinsate enrichment only
- Easier and simpler workflow to get to a faster result
- Lowest cost per sample compared to NGS & Serology
- Future Proofed with ability to add additional serotypes down the road

ALL IN ONE TEST, IN A SINGLE ARRAY

D³ Array™ SalSure tests for:

- *Salmonella* Spp.
- *Salmonella typhimirium*
- *Salmonella enteriditis*
- Quantification fragment 1
- Quantification fragment 2
- Positive and Negative controls
- Plus identification of Megan® Vac 1

Sero^{X} delivers Sero-specfic *Salmonella* detection for:

Enteritidis	*Heidelberg*	*Braenderup*
Typhimurium	*Muenchen*	*Oranienberg*
Newport	*Saintpaul*	*Thompson*
Javiana	*Montevideo*	Plus five additional serotypes and identification of Megan® Vac 1
I 4,[5],12:i:- (monophasic typhimurium)	*Infantis*	

D³ Array™ SalSure + Serox™

UNIFIED POULTRY TESTING SYSTEM

TEST ON YOUR OWN TERMS WITH FLEXIBLE WORKFLOWS

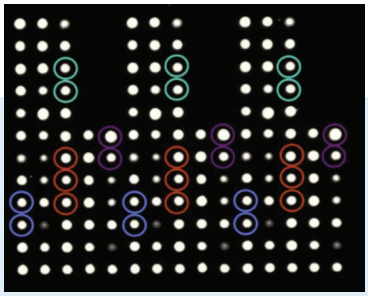
The PathogenDx unified poultry testing system provides poultry producers and testing labs with the flexibility to tailor their testing based on their desired process, time and efficiency needs, and budget requirements. Examples:

3-SHIFT SEQUENTIAL WORKFLOW

Shift 1: Detection
Shift 2: Quantitation of Postive Samples
Shift 3: Serotyping of Positive Samples

ACCELERATED PARALLEL WORKFLOW

Shifts 1-2: Test all samples concurrently with results in one to two shifts.



Probes in each array well enable our tests to more rapidly detect and quantify *Salmonella*, identify Megan® Vac 1, and accelerate Serotyping.

WATCH VIDEO:
VIMEO.COM/1101966174

NEW EFFICIENCIES & ROI—D³ ARRAY™ SALSURE + SEROˣ™

Efficiently meet testing regulations, minimize re-testing and reduce economic loss—all using standard lab equipment. Discover PathogenDx.

ABOUT PATHOGENDx

PathogenDx is a biotechnology innovator based in Tucson, Arizona, developing diagnostic solutions to address viral, bacterial and fungal infection or contamination. We've reinvented molecular testing to identify pathogens faster and easier, driving greater safety and business optimization. We deliver next-gen arrays for better health and safety—empowering the future of safe.

To learn more about PathogenDx:
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PathogenDx