



GENICS

Shrimp MultiPath3.0™

One test to detect 19 shrimp pathogens

The Shrimp **MultiPath**™ panel you trust — now available
with accurate *Vibrio parahaemolyticus* detection

www.genics.com

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Shrimp MultiPath3.0™

Shrimp MultiPath3.0™ builds on the Shrimp MultiPath™ platform, with the addition of accurate, species-specific detection of *Vibrio parahaemolyticus*, so hatcheries and farmers can use the same testing system from postlarvae screening through to farm verification and ongoing risk monitoring.

Shrimp MultiPath3.0™ provides early pathogen detection, so you can mitigate outbreaks weeks before your shrimp show the first signs of disease.



Shrimp MultiPath3.0™ is the ultimate disease early warning system

including *Vibrio parahaemolyticus* screening for greater confidence in postlarvae selection.



Detects 19 commercially relevant pathogens in a single test



Identifies different genetic variants of relevant pathogens



Includes controls to validate every test result and quantify infection severity



Includes control tests to validate RNA and/or DNA sample integrity



Rapidly generates results on large numbers of samples within 48hrs

19 shrimp pathogens detected: WSSV, pirA/pirB, *Vibrio parahaemolyticus*, EHP, GAV YHV2, IHHNV, IMNV, YHV 1, YHV 7, HPV HDV, MBV, LSNV, MoV, TSV, NHP, DIV1, PvNV, CmNV, MrNV.

What's New: *Vibrio parahaemolyticus* screening

Vibrio parahaemolyticus is widely monitored as an indicator in AHPND/EMS-risk conversations (alongside the fatal toxins PirA and PirB, which are also detected with Shrimp MultiPath3.0™). Shrimp MultiPath3.0™ offers accurate detection of *V. parahaemolyticus* to help hatcheries and PL producers provide clearer evidence of stock status and risk to customers.

This multi-pathogen assay is designed for decision-making where confidence matters most: postlarvae selection, hatchery biosecurity, and customer assurance — supporting smarter stocking decisions and reducing avoidable uncertainty during grow-out.

Shrimp MultiPath3.0™ detects 19 pathogens with one test, delivering peace of mind and optimized disease management. MultiPath technology is currently unsurpassed in its ability to co-detect multiple shrimp pathogens. Its sensitivity and specificity are equal or superior to current gold standard diagnostic testing methods that typically detect only a single pathogen.

Shrimp MultiPath3.0™ makes multi-pathogen testing (including *Vibrio parahaemolyticus*) viable for shrimp breeding companies, hatcheries, and farms, empowering informed management decisions that mitigate disease risk and maximize yield.

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Genics

Your complete solution for shrimp health, performance, and biosecurity.

Shrimp MultiPath3.0™ for hatchery screening and customer confidence

Until now, confidently screening broodstock and PL production systems for *V. parahaemolyticus* has been difficult with historical bacterial plating methods.

Shrimp MultiPath3.0™ helps hatcheries and farmers use the same testing system to assess pathogen status across the

production chain (from broodstock and hatchery inputs to PL screening, stocking verification, and farm monitoring) enabling more consistent decisions and stronger confidence in your data.

Shrimp MultiPath3.0™ is designed to support an **end-to-end testing approach**.

When To Use Shrimp MultiPath3.0™

- ✓ When selling postlarvae to farmers
- ✓ When testing my intake water systems
- ✓ When checking farm inputs to be clean and biosecure
- ✓ When purchasing and taking receipt of postlarvae for stocking ponds



Shrimp MultiPath3.0™ provides a more direct, species-specific way to support:



Smarter selection decisions in breeding programs and hatcheries



Stronger biosecurity and reduced pathogen transmission risk



Higher confidence conversations about postlarvae status

The ultimate tool for farmers receiving postlarvae to profile their incoming biosecurity risk from *Vibrio parahaemolyticus* + another 18 commercially impactful pathogens.



Screen & Select Safer Hatchery Inputs

Polychaetes, artemia and other hatchery feed inputs can introduce pathogens into PL production and often carry high *Vibrio* loads. With *V. parahaemolyticus* detection now available, Genics Shrimp MultiPath3.0™ gives hatchery operators actionable insight to screen inputs and strengthen biosecurity, helping identify higher-risk sources before they impact postlarvae health.

Available for the first time, this shared testing methodology across the supply chain helps improve comparability, communication, and confidence between hatcheries and farms.

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