

Single Tube WSSV Detection Kit (Single Tube Nested PCR)

Single Tube Nested PCR Kit for White Spot Syndrome Virus (WSSV) detection is based on innovative single tube nested PCR technique. In this assay both the first and the nested PCR steps are performed within one PCR run in the same reaction vial.

The assay can indicate the degree of severity of infection. The kit can produce up to three PCR products depending on the severity of infection as below:

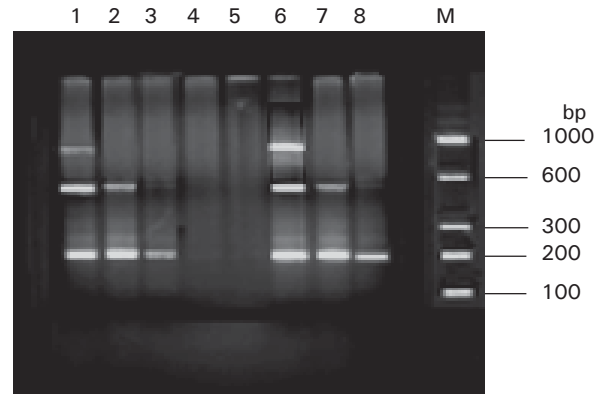
- Severe Infection ($> 10^5$ viral particles)- produces all 3 fragments (942, 525,&204 base pairs (bp))
- Moderate Infection ($10^3 - 10^5$ viral particles)- produces 2 fragments (525 & 204 bp)
- Low Infection ($10-10^3$ viral particles) - produces 1 fragment (204 bp)

Highlights:

- A single tube nested PCR reaction- Less chances of contamination
- Follows nested PCR principle - High sensitivity and specificity of virus detection
- Distinguishes the degree of severity of infection- Severe, Moderate and Low
- Detects up to 10 virus particles in 3.5 to 4 hours
- Fast and simple DNA extraction protocol
- Convenient aliquots of reagents- Ease of work and reduced chances of contamination
- Sterile disposable grinders for easy sample processing

Materials Provided:

- DNA Extraction Buffer
- PCR Pre-mix
- **GeNei™** HotStart Taq DNA Polymerase
- Positive Control DNA 1
- Positive Control DNA 2
- Positive Control DNA 3
- Negative Control
- DNA Molecular Weight Marker
- Gel Loading Buffer
- Tissue Grinders, 1.5 & 0.5 ml eppendorf vials
- Disposable Gloves



Legend:

- Lane 1: Sample with severe WSSV infection
- Lane 2: Sample with moderate WSSV infection
- Lane 3: Sample with low WSSV infection
- Lane 4: Sample with no WSSV infection
- Lane 5: Negative control
- Lane 6: Positive control - 10^5 copies
- Lane 7: Positive control - 10^3 copies
- Lane 8: Positive control - 10 copies
- Lane M: DNA Molecular Weight Marker

Ordering Information:

Catalogue Number	Product	Pack Size
Single Tube WSSV Detection Kit (Single Tube Nested PCR)		
106047	Single Tube WSSV Detection Kit (50 Tests)	1 Kit

REAGENTS FOR DNA DIAGNOSIS