

## GeNei™ Shrimp HPV Detection Kit (Nested PCR Assay Method)

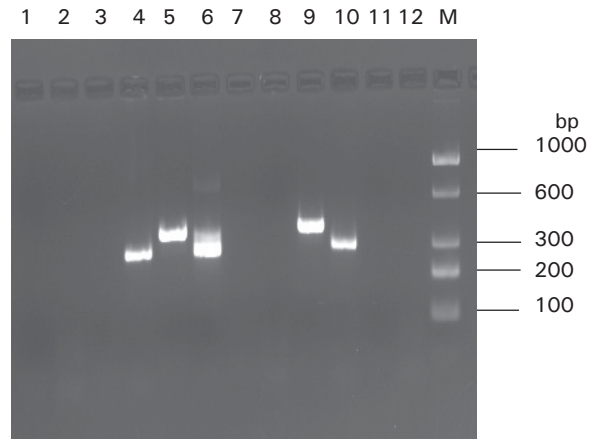
Hepatopancreatic Parovirus (HPV) has been reported to cause slow growth and increased mortality under stress or crowding conditions in the post larvae and Juveniles of Penaid shrimp. Current methods to detect HPV infection of Penaid shrimp depend on invasive techniques that require removal of the organs infected by the virus. However, sacrificing valuable stock in order to determine the HPV status can be a drawback in the case of brooders. PCR allows for the non-destructive detection of HPV.

### Highlights:

- Fast and simple DNA extraction protocol.
- Follows nested PCR principle enabling very high sensitivity & specificity of virus detection.
- The reagents are packed in convenient aliquots of 10 reactions each to reduce chances of contamination.
- Results can be obtained within 4 to 5 hrs.
- Time saving as the PCR conditions are same as that of WSSV kit.

### Materials Provided:

- DNA Extraction Buffer
- First PCR Pre-mix
- Nested PCR Pre-mix
- Taq DNA Polymerase
- Positive Control DNA
- Negative Control
- DNA Molecular Weight Marker
- Gel Loading Buffer
- Tissue Grinders, 1.5 & 0.5 ml eppendorf vials
- Disposable Gloves



### Legend:

- Lane 1 Sample No.1 First PCR product
  - Lane 2 Sample No.1 Nested PCR product
  - Lane 3 Sample No.2 First PCR product
  - Lane 4 Sample No 2 Nested PCR product
  - Lane 5 Sample No 3 First PCR product
  - Lane 6 Sample No. 3 Nested PCR product
  - Lane 7 Negative control First PCR product
  - Lane 8 Negative control Nested PCR product
  - Lane 9 Positive control First PCR product
  - Lane 10 Positive control Nested PCR product
  - Lane 11 Reagent control First PCR product
  - Lane 12 Reagent control Nested PCR product
  - Lane M DNA Molecular Weight Marker
- } Negative Sample  
 } Sample with low infection  
 } Sample with high infection

## Ordering Information:

Catalogue Number	Product	Pack Size
	<b>GeNei™ Shrimp HPV Detection Kit (Nested PCR Assay Method)</b>	
106041	<b>GeNei™</b> Shrimp HPV Detection Kit (25 tests)	1 Pack
106042	<b>GeNei™</b> Shrimp HPV Detection Kit (50 tests)	1 Pack