

Point-of-care tests for shrimp pathogens

Rapid nucleic acids of pathogens

Professional supplier of POCT products
DNA/RNA test anywhere & anytime

Combined advanced isothermal PCR amplification technology with classic lateral flow test strip, EZassay biotech. group develops point-of-care test kit for pet pathogens. The operation is simple, the sensitivity is high, the specificity is strong, and the detection results are nearly 100% consistent with the traditional PCR.

- ▷ New generation of isothermal PCR technology
- ▷ Million folds amplification in 30 minutes
- ▷ Simple operation
- ▷ No sample preparation is required
- ▷ No fancy device is required



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01/ Set up the instrument

1. Turn on the power.
2. For heat block ① press button 99°C.
3. For heat block ② press button 65°C.

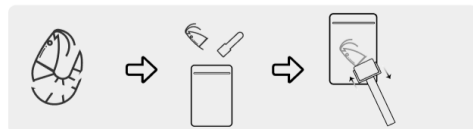


02/ Collet sample



Sample Sterile bag Purified water Grinding roller

1. Put the sample into the sterile bag. Sample to be tested can be shrimp head or shrimp seeds.
2. Add purified water (about 2ml) into the bag.
3. Reseal the bag, and repeatedly grind the sample with grinding roller.
4. Grind the sample to a homogenate.

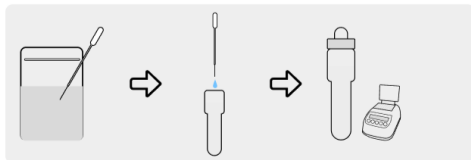


03/ Prepare sample

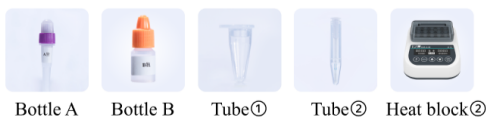


Bottle A Homogenate Capillary pipette Heat block ①

1. Take the homogenate with a capillary pipette.
2. Add one drop of liquid to bottle A. (1 drop is enough)
3. Tighten the cap of bottle A and shake it gently to mix well.
4. Insert bottle A into heat block ①. Heat at 99°C for 10 minutes.

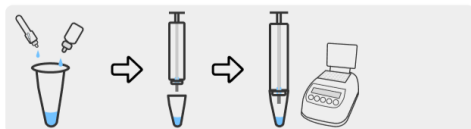


04/ Start reaction



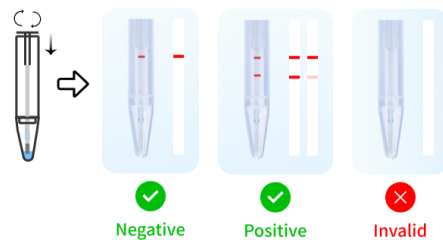
Bottle A Bottle B Tube ① Tube ② Heat block ②

1. Open tube ①
2. One drop from bottle A and one drop from bottle B into tube ①. (1 drop from each bottle is enough)
3. Replace the bottom of tube ② with tube ①.
4. Insert the assembled tube into heat block ②, incubate at 65°C for 30 minutes.



04/ Read result

1. Carefully pull the tube out.
2. Rotate the top button of tube clockwise.
3. Press it down. Allow strip to immerse in the liquid.
4. Stand still for 3 minutes and then read the result.



✓ Negative ✓ Positive ✗ Invalid

Product	Test items	Test sample
Nucleic acid rapid detection kit	White spot syndrome virus (WSSV)	Shrimp head or shrimp seeds
	Acute hepatopancreatic necrosis virus (AHPND)	
	Feline mycoplasma nucleic acid rapid detection kit (MPF)	
	Infectious hematopoietic tissue necrosis (IHHNV)	
	Shrimp iridescent virus (SHIV)	
	Highly pathogenic vibrio (HLVD)	



Scan to watch demonstration video