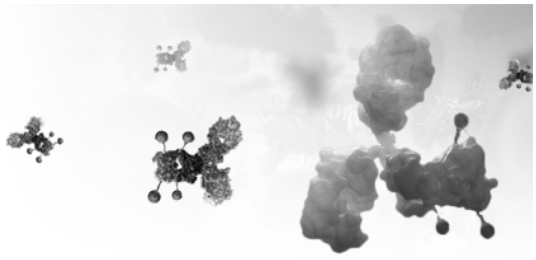

CDIA™ Tetrodotoxin Colloidal Gold Test Cassette (DTSJYJ123)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Size	5×100T, 10×100T
Intended Use	CDIA™ Tetrodotoxin Colloidal Gold Test Cassette is a lateral flow chromatographic immunoassay for the detection of TTX in environmental swabs or sea water.
General Description	Tetrodotoxin (TTX) is a powerful neurotoxin, which is tolerance to heat, salt and cooking. Minimum lethal dose for human is about 0.5mg/60 kg of body weight, the toxicity is 1000 times great than the sodium cyanide. Every year many people are ill due to improper eating or eating puffer fish. Therefore, it is significant to accurate detection of tetrodotoxin in puffer fish in order to prevention and control of tetrodotoxin poisoning. Compared to the traditional method, the developed colloidal gold nanoparticle probe for the immunoassay is rapid and accuracy, and the detection can be finished in several minutes.
Reagents And Materials Provided	1. TTX (Tetrodotoxin) Test Cassettes 2. Dropper contains sample dilution solution 3. Desiccant 4. Product Manual
Materials Required But Not Supplied	1. Pipette (20-200 µL, 100-1000 µL, 1-10mL) 2. Consumables: gun tip, disposable gloves, centrifuge tube 3. Timer
Storage	The kit can be stored at room temperature (4-30°C). The test kit is stable through the expiration date (12 months). DO NOT FREEZE. Do not store the test kit in direct sunlight.
Specimen Collection And Preparation	**Environmental swabs:** Open the purple cap. Insert the environmental swab into the dropper. Stir several times. Close the purple cap. Then open the white cap and add 3 drops of the sample. **Sea water:** Add the sample directly. If there are impurities in the seawater, it should be centrifuged first and

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the supernatant should be taken for testing.
If the seawater has not undergone membrane filtration for 20 minutes to form a clear and complete C line, you can dilute the seawater 10 times with the sample diluent in the dropper, and then add 3 drops for testing. The results shown here should be multiplied by 10.

Assay Procedure

1. Take out the cassette from the foil pouch and place ithorizontally.

Environmental swabs:

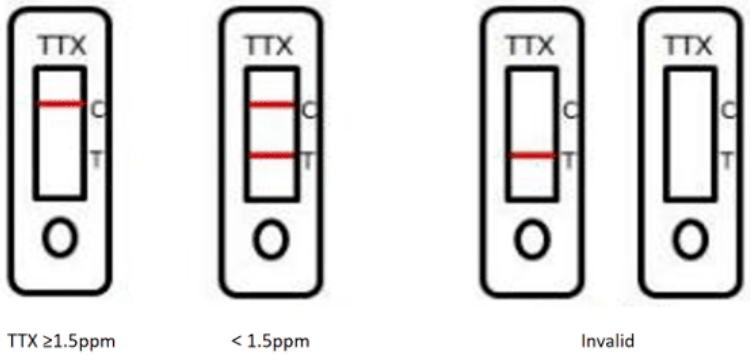
(2) Open the purple cap, insert the environmental swab into the dropper, stir several times, close the purple cap, then open the white cap and add 3 drops of the sample solution gradually into the assay sample hole "S" and start the time.

Sea water:

(2)Add 100uL directly

(3)Interpret the result after 10 minutes(environmental swabs). Interpret the result after 20 minutes (sea water).

Interpretation Of Results



Positive: No red band appears in T band means that Tetrodotoxin (TTX) in the sample solution is higher than 1.5ppm(μg/g).

Negative: Both clear "C" band and "T" band appears. It means that Tetrodotoxin (TTX) in the sample extraction is lower than 1.5ppm(μg/g).

Invalid: No colored band appears in C zone, no matter whether T band appears. Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for an invalid result. Review the procedure and repeat the test with a new test device.

Sensitivity

1.5ppm(μg/g)

Precautions

1. For best results, please strictly adhere to these instructions.
2. All reagents must be at room temperature before running the assay.
3. Do not remove test cassette from its pouch until immediately before use.
4. Do not reuse the test kit.
5. Do not use the test beyond its expiration date marked on the foil pouch.
6. The components in this kit have been quality control tested as standard batch unit.
7. Do not mix components from different lot numbers.
8. The kit is for research use only. All results should be considered with other clinical information available from veterinarian. For an accurate result, it is suggested to apply other

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method such as ELISA or HPLC-MS for final determination in practice.

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