



# GENEMED SYNTHESIS, INC.

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## Tetradotoxin (TTX) Rapid Test, Cat# RT-TTX-R920T1

Tetradotoxin Rapid Test | Qualitative Screening assay | Sensitivity: 200 ppb

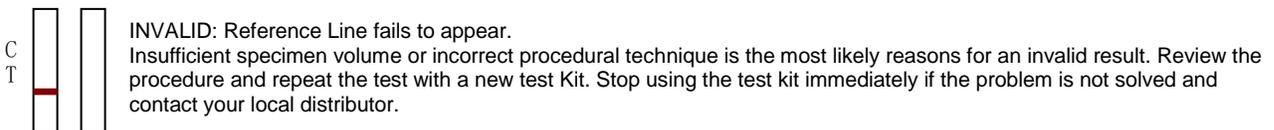
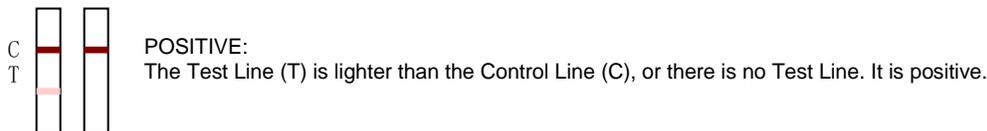
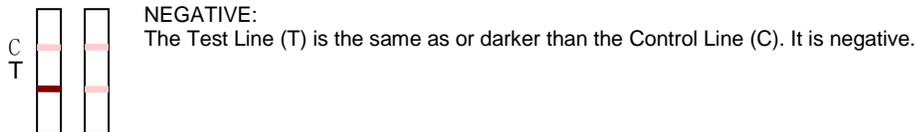
<p>Sample Well    Test Area    Control Area</p> <p>Control Line Test Line Sample Well</p>	<h3>Tetradotoxin Residue Kit Features</h3> <ul style="list-style-type: none"><li>• Rapid one step tests</li><li>• Assay time: 10-20 min</li><li>• Based on colloidal gold Immunochromatographic technology</li><li>• No cross-reaction with Chloramphenicol, Streptomycin, Tetracyclines, and Sulfanomides and etc.</li></ul> <p><b>This kit is for measuring Tetradotoxin in fish samples. For in vitro research use only.</b></p>
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**Assay Procedure:** Allow all reagents to reach room temperature. Remove Tetradotoxin residue Rapid Test Devices from sealed pouch.

**Step 1.** Hold the dropper vertically and transfer 3 full drops (around 80-100  $\mu$ L) of solution to the specimen well (S) of the test (See the illustration above), and then start the timer.

**Step 2.** Wait for red bands to appear. The result should be read in approximately in 8 minutes.

### Reading Results:



### General Information

Tetrodotoxin (TTX) is a powerful neurotoxin, which is tolerance to heat, salt and cooking. The toxin binds to site 1 of voltage gated sodium channel disabling its function. 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 significance to accurate detection of tetradotoxin in puffer fish in order to prevention and control of tetradotoxin poisoning.

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