

Pyrotell® Gel-clot Endotoxin Testing



General Product Description

Pyrotell was the first LAL reagent licensed by the US FDA. It is easy to use and is available in both economical Multi-Test Vials (MTVs) and convenient Single Test Vials (STVs). Pyrotell is a robust reagent, producing firm, easily read clots and is resilient to interfering substances. The gel-clot test does not require sophisticated equipment and software and is the simplest LAL test to implement.

Sensitivity

Pyrotell is available in a variety of sensitivities: 0.03 EU/mL; 0.06 EU/mL; 0.125 EU/mL; and 0.25 EU/mL.

Sample to LAL Ratio

Reconstituted Pyrotell reagent is used at a ratio of 1:1 and a volume of 100 µL/test.

Performing the Test

For 2 mL and 5 mL MTV, 100 µL of lysate is mixed with 100 µL of sample in a reaction tube. For STV, 200 µL of sample is added to the vial, which serves as a reaction tube. Test tubes are incubated at 37±1°C for 60 minutes ± 2 minutes. A positive test is indicated if the clot remains solid after the inversion of the test tube.

Reconstitution

Pyrotell MTV may be reconstituted with LAL Reagent Water (LRW), Pyrosol® buffer or Glucashield® buffer, a (1→3)-β-D-Glucan inhibiting buffer, to render the assay endotoxin specific. Pyrotell STV is reconstituted by the sample being tested.

Stability

Once reconstituted, Pyrotell MTV is stable for 24 hours, if stored at 2–8°C. Pyrotell MTV may be frozen once and will retain activity for as long as 3 months if stored at or below -20°C. STVs are used immediately upon addition of the sample.

Packaging

Pyrotell is available in 2 mL or 5 mL MTV and STV sizes. STV's are sold in 5x10 vial packs. Certificates of Analysis, specific to the Pyrotell and CSE lot, can be obtained from ACC or online at www.acciusa.com. It is recommended for use with 0.5 µg/vial Control Standard Endotoxin (E0005-1).

Accessory Products

1. LAL Reagent Water, available in multiple package sizes, see page 14
2. Control Standard Endotoxin, *E. coli* O113:H10, 0.5 µg/vial (E0005-1)
3. Glucashield Buffer, (1→3)-β-D-Glucan Inhibiting Buffer (GB051-5)
4. Pyrosol Buffer with pH indicator (BR051-5)
5. Pyrosol LAL Reconstitution Buffer (BC051-5)
6. Pyrotubes®, 10 x 75 mm soda lime glass test tubes (TS050-10)
7. Pyrotubes, 12 x 75 mm borosilicate dilution tubes (TB240-5)
8. Pyrotubes, 13 x 100 mm borosilicate dilution tubes (TB013-5)
9. 250 µL Pipette tips (PPT25)
10. 1000 µL Pipette tips (PPT10)

Multi-Test Vial (MTV), 5 mL/vial (approx. 50 tests/vial)

#G5003-5	-----	0.03 EU/mL (5 pack)
#G5003-25	-----	0.03 EU/mL (25 pack)
#G5006-5	-----	0.06 EU/mL (5 pack)
#G5006-25	-----	0.06 EU/mL (25 pack)
#G5125-5	-----	0.125 EU/mL (5 pack)
#G5125-25	-----	0.125 EU/mL (25 pack)
#G5250-5	-----	0.25 EU/mL (5 pack)
#G5250-25	-----	0.25 EU/mL (25 pack)
#GP5003-5	-----	0.03 EU/mL vial*

*must be used with Pyrosol and purchased in multiples of 5.

Multi-Test Vial (MTV), 2 mL/vial (approx. 20 tests/vial)

#G2003-5	-----	0.03 EU/mL (5 pack)
#G2006-5	-----	0.06 EU/mL (5 pack)
#G2125-5	-----	0.125 EU/mL (5 pack)
#G2250-5	-----	0.25 EU/mL (5 pack)

Single Test Vial (STV), 0.2 mL/vial, 5-10 vial packs

#GS003-5	-----	0.03 EU/mL
#GS006-5	-----	0.06 EU/mL
#GS125-5	-----	0.125 EU/mL
#GS250-5	-----	0.25 EU/mL

For more information please visit our website at www.acciusa.com or contact Customer Service at (508) 540-3444.