

## 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.

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



### Packaging

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

### Accessory Products

1. LAL Reagent Water, available in multiple package sizes, see page 15
2. Control Standard Endotoxin, *E. coli* O113:H10, 0.5 µg/vial (E0005)
3. Glucashield Buffer (GB051), (1→3)-β-D-Glucan Inhibiting Buffer
4. Pyrosol Buffer with pH indicator (BR051)
5. Pyrosol LAL Reconstitution Buffer (BC051)
6. Pyrotubes® (TS050), 10 x 75 mm soda lime glass test tubes
7. Pyrotubes (TB240), 12 x 75 mm borosilicate dilution tubes
8. Pyrotubes (TB013), 13 x 100 mm borosilicate dilution tubes
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 (5 pack)*  |
| #GP5003-25 | ----- | 0.03 EU/mL (25 pack)* |

\*must be used with Pyrosol

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

|           |       |                       |
|-----------|-------|-----------------------|
| #G2003-5  | ----- | 0.03 EU/mL (5 pack)   |
| #G2003-25 | ----- | 0.03 EU/mL (25 pack)  |
| #G2006-5  | ----- | 0.06 EU/mL (5 pack)   |
| #G2006-25 | ----- | 0.06 EU/mL (25 pack)  |
| #G2125-5  | ----- | 0.125 EU/mL (5 pack)  |
| #G2125-25 | ----- | 0.125 EU/mL (25 pack) |
| #G2250-5  | ----- | 0.25 EU/mL (5 pack)   |
| #G2250-25 | ----- | 0.25 EU/mL (25 pack)  |

#### Single Test Vial (STV), 0.2 mL/vial, 10 vials/pack

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

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