

## Chromo-LAL

### Kinetic Chromogenic Formulation

#### General Product Description

Chromo-LAL lysate is lyophilized with substrate reagent and buffers. It is optimized for the kinetic chromogenic LAL test method in microplate readers. Chromo-LAL is a buffered, stable and robust lysate, suitable for quantitative testing of a wide range of samples.

#### Sensitivity

The sensitivity for chromogenic assays is determined by the lowest standard concentration on the standard curve used for the assay. The maximum sensitivity of Chromo-LAL is 0.005 EU/mL.

#### Sample to Lysate Ratio

In the Chromo-LAL test, reconstituted Chromo-LAL reagent is used at a ratio of 1:1 and a volume of 100  $\mu$ L.

#### Performing the Test

The Chromo-LAL/sample mixture is incubated at  $37 \pm 1^\circ\text{C}$  in a microplate reader equipped with a 405 nm filter. Software is used to construct the standard curve and calculate the endotoxin concentrations.

#### Reconstitution

Chromo-LAL lysate is reconstituted with LAL Reagent Water (LRW). It can also be reconstituted with Glucashield<sup>®</sup> buffer, a beta glucan inhibiting buffer, to render the assay endotoxin specific.

#### Stability

The reconstituted lysate is stable for 24 hours at 2–8°C or for two weeks at -20°C or colder if frozen immediately after reconstitution. Reconstituted Chromo-LAL lysate may be frozen and thawed once.

#### Packaging

Chromo-LAL lysate is sold by the vial for greater ordering and testing flexibility. This allows you to order the amount of lysate that is right for you.

#### Accessory Products

1. LAL Reagent Water, available in multiple package sizes, see page 4.2
2. Control Standard Endotoxin, *E. coli* O113:H10, 0.5  $\mu$ g per vial (E0005)
3. Glucashield<sup>®</sup> Buffer (GB051), (1 $\rightarrow$ 3)- $\beta$ -D-Glucan Inhibiting Buffer
4. Pyrotubes<sup>®</sup> (TB013), 13 x 100 mm borosilicate glass dilution tubes
5. Pyroplate<sup>®</sup> (CA961), 96-well microplate
6. 250  $\mu$ L Pipette tips (PPT25), endotoxin and glucan-free
7. 1000  $\mu$ L Pipette tips (PPT10), endotoxin and glucan-free
8. Incubating microplate reader

For more information please visit our website at [www.acciusa.com](http://www.acciusa.com) or contact Technical Services at (800) 848-3248.

#### Chromo-LAL

#C0031 ----- 3.2 mL/Vial  
 30 tests

