

## PRODUCT INFORMATION

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### Cyanase™ Inactivation Resin

Cat. No. 18543

#### Product Description:

**General** Cyanase™ Inactivation Resin is a proprietary blend of Cyanase™ inhibitor protein coupled to Sepharose Fast Flow resin creating a novel method for inactivation and removing the Cyanase™ enzyme prior to downstream applications.

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**Application** Inactivation and removal of Cyanase™ enzyme

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- Features**
- Average particle size: 90 µm in 50 % buffer slurry
  - Active over a wide range of conditions
  - Extremely tight interaction between enzyme and resin
  - No interactions with other proteins or targets
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**Stability and storage** The resin should be stored at +2 °C to +8 °C upon arrival.

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**Inhibition/ Inactivation** The Inactivation Resin is fully active under all normal Cyanase™ reaction conditions.  
The resin has been tested additionally in the pH range from 4.8 to 10.0, at 0 °C as well as 500 mM NaCl with no effect on the Cyanase™ enzyme inactivation and removal.

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**Reaction conditions** Add 10 µl of 50 % slurry for every 10 U of Cyanase™ or for every 100 µl of sample, whichever is greater.  
The sample can then be inverted, pipetted or stirred for 20 min to 1 h at room temperature to provide continuous mixing.  
Then, the sample is spun down for 5 min and the supernatant (containing the soluble sample) is removed.  
For samples requiring more than 1 ml of resin slurry, the resin can be packed into a column and the sample passed over the resin.

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