



## Cellulase R-10

### 纤维素酶R-10

- **Description:**

Hydrolyzes  $\beta$ -1,4-glucan linkages in cellulose. It has been used to isolate intact cells and protoplasts from plant tissues.

- **CAS Number:** 9012-54-8    **EC Number:** 3.2.1.4

- **Specifications:**

Source.....from *Trichoderma viride*

Activity.....10 units/mg dry weight

Appearance.....pale to pale brown lyophilized solid

MW.....61,000

Solubility.....H<sub>2</sub>O

- **Unit Definition:**

One unit will liberate 1.0  $\mu$ mole of glucose from cellulose in one hour at pH 5.0 at 37 °C (2 hr incubation time).

- **Storage:**

Power is stored in 4°C or -20°C for longer time. Following reconstitution, aliquot and freeze (-20°C) for long term storage or refrigerate (+4°C) for short term storage. This product is stable for 2 years as supplied. Stock solutions are stable for 3 days at +4°C or for 1 month at -20°C.

- **References:**

Takebe, I., *et al.* 1968. *Plant Cell Physiol.* **9**, 115.

Tomita, Y., *et al.* 1968. *J. Ferment. Technol.* **46**, 701.