



Product Information Sheet

P686 Pectolyase Y-23

Synonym: N/A
CAS: 9033-35-6
Formula: N/A
Molecular Wt: N/A

Properties

Form: Powder
Appearance: Beige to Tan
Application: Enzyme
Solubility: Water
Typical Working Concentration: No typical working concentration as it is application-specific; consult the appropriate scientific literature for the species of interest.
Storage Temp: 2 to 6° C
Storage Temp of Stock Solution: Prepare fresh.
Other Notes: Derived from *Aspergillus japonicus*

Application Notes

Pectolyase Y-23 is derived from *Aspergillus japonicas*. It is a purified maceration enzyme that contains two types of pectinase: endo-polygalacturonase and endo-pectin lyase. These two pectinases carry maceration stimulating factors that will macerate plant tissue when stimulated. Additionally, Pectolyase Y-23 when use in combination with cellulase can isolate biologically active protoplasts.

Pectolyase Y-23 is stable at 4.0 to 7.0 pH range. At 4.5 to 6.5 pH range, its activity is most effective. Its optimum activity is at pH 5.5. Pectolyase Y-23 contains approximately 100 x 10³ maceration u/g. The macerating activity unit is defined by amount of enzyme from the tissue that releases 1.0 mL single cell.

Revised 3/2011

PhytoTechnology Laboratories®

P.O. Box 12205 • Shawnee Mission, KS • 66282-2205

Phone: 1-913-341-5343 or 1-888-749-8682 (U.S. Only) Fax: 1-913-341-5442 or 1-888-449-8682 (U.S. Only)

Web Site: www.phytotechlab.com

© 2007 PhytoTechnology Laboratories®