



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

ImmunO™

Catalog Number: 320951, 320952

Pectolyase Y-23

Description: Pectolyase Y-23 is a highly purified maceration enzyme from *Aspergillus japonicus*. It contains two types of pectinase such as endo-polygalacturonase and endo-pectin lyase in high activity. Included is a maceration stimulating factor which stimulates tissue maceration by both pectinases.

Thus, Pectolyase Y-23 can isolate biologically active protoplasts from a wide spectrum of higher plants and tissues in a combination with commercially available cellulase preparation in a brief incubation.

Appearance: Light brownish powder

Assay Principle: Pectin----pectin lyase---->Oligosaccharides with terminal 4-deoxy-6-methoxy-a-D-galact-4-enuronosyl groups.

Activity: > 1,000 units per gram (pectin lyase)

Unit Definition: One unit is defined as an increase in absorbance at 235nm by 1.0 in the reaction mixture per minute.

pH:

4.5-6.5 (effective range)

5.5 (optimum)

4.0-7.0 (stable range)

Moisture: < 5%

Reference:

– Ishii, S., Enzymatic maceration of plant tissues by endo-pectin lyase and endo-polygalacturonase from *Aspergillus japonicus*., **Phytopathology** **66**, 281, 1976.

Note: This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.