

Active Native Jack Bean Urease

Cat. No. Urease-53J **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Jack Bean
Form	Freeze dried powder
Bio-activity	>1400 nessler U/mg protein (lot sp. activity given on the vial)
Molecular Mass	480 kDa or 545 kDa for Jack Bean Urease (calculated mass from the amino acid sequence).
Unit Definition	Amount of enzyme causing hydrolysis of 1 umol of ureas per min at 25°C and pH 8.0.
Applications	Allow the product to reach room temp before opening the vial and dissolve in appropriate buffers for usage. Before returning to storage, re-dessicate under vacuum over silica gel for a minimum of 4 hours to provide best conditions for long term preservation of enzyme activity.
Usage	For research use only, not for diagnostic or therapeutic use.
Storage	Store powder at -20°C or below under dry conditions.
Storage Buffer	It dissolves readily at 5 mg/ml in 0.05M Tris buffer, 1 mM EDTA pH 8.0 to provide a clear solution.

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