

Product Specification Sheet

Product: V8 Protease

Source: *S. aureus* strain V8

Code: MB-114-0001

Lot # 5208

Size: 1.0 mg

Physical State: Lyophilized

Specific Activity: 946 units/mg dry weight

Absorbance Data: A_{280} of 1 mg/ml solution is 0.76

Buffer Composition: None

Application(s): V8 Protease (*S. aureus*) specifically cleaves peptide bonds on the COOH-terminal side of either aspartic or glutamic acids. Under certain conditions the enzyme specificity can be limited to the glutamic acid sites. Optimum pH's of 4.0 and 7.8. Useful for protein chemistry and peptide mapping studies.

Storage Conditions: Store vial at 2° to 8° C upon receipt. Expiration date is six (6) months from date of opening vial.

Unit Definition: One unit causes the change of 0.001 A_{280} nm unit per minute at 37° C at pH 7.8 using casein as a substrate.

Preparation: A lyophilized powder. Chromatographically purified according to the method of Drapeau et al., *JBC* **247**, 6720 (1972).

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.