

Datasheet for MB-109-1000

Lysozyme

Overview

Description:	Lysozyme - MB-109-1000
Item No.:	MB-109-1000
Size:	1 g
Origin:	Chicken

Product Details

Background:	Lysozyme is a from a family of enzymes that act upon glycoproteins in the cell walls of bacteria. Lysozyme is a highly abundant protein in a variety of secretions: tears, saliva, milk, and mucus (in mammals). The whites of avian eggs are also an abundant source of lysozyme.
Synonyms:	Muramidase, N-acetylmuramide glycanhydrolase
Species of Origin:	Chicken
Reagent Type:	Enzyme
Specific Activity:	18,070 units/mg by dry weight

Target Details

Purity/Specificity:	% Protein: 96 Specific Activity: 16,060 units/mg dry weight
Relevant Links:	• MB-109-1000 SDS • GeneID - 396218 • NCBI - CAA43320.1 • UniProtKB - P00698

Application Details

Application Note:	One unit of Lysozyme (Hen Egg White) is equal to a decrease in turbidity of 0.001 A450 nm per minute at 25° C, pH 7.0, using a 0.3 mg/ml suspension of <i>Micrococcus lysodeikticus</i> cells as a substrate. Lyophilized powder contains trace amounts of sodium chloride.
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Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	A280 @ mg/ml = 2.49

Formulation

Physical State:	Lyophilized
Concentration:	17,730 units/mg by dry weight
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Lysozyme (Hen Egg White) is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

