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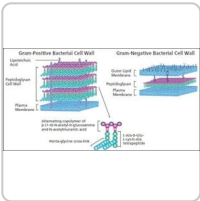
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Saisir le nom du produit, le numéro de lot, etc.



Toutes les photos (2)

Documents

FDS

COO/COA

Fiche des caractéristiques

M9901 ▶ Sigma-Aldrich.

Mutanolysin from *Streptomyces globisporus* ATCC 21553

★★★★★ (0)

lyophilized powder, ≥4000 units/mg protein (biuret), Chromatographically purified

Synonyme(s):
Mutanolysin

Numéro CAS: 55466-22-3

Numéro MDL: MFCD00131635

NACRES: NA.54

Référence	Conditionnement	Disponibilité	Prix	Quantité
M9901-1KU	1000 UNITS	Only 3 left in stock (more on the way) Détails...	59,60 €	- +
M9901-5KU	5000 UNITS	Only 3 left in stock (more on the way) Détails...	185,00 €	- +
M9901-10KU	10000 UNITS	Only 3 left in stock (more on the way) Détails...	333,00 €	- +
M9901-50KU	50000 UNITS	Only 2 left in stock (more on the way) Détails...	1090,00 €	- +

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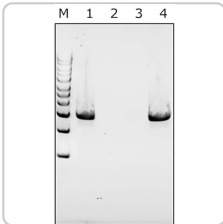
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PRODUITS RECOMMANDÉS



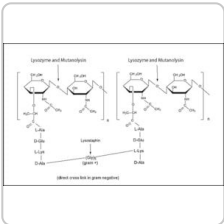
Sigma-Aldrich

SAE0092

Mutanolysin from *Streptomyces globisporus* ATCC 21553

free of DNA contaminants, suitable for Microbiome research, lyophilized powder, ≥4000 units/mg protein...

Consulter le prix et la disponibilité



Sigma-Aldrich

M4782

Mutanolysin from *Streptomyces globisporus* ATCC 21553

0.2 µm filtered, lyophilized powder, ≥4000 units/mg protein (biuret)

Consulter le prix et la disponibilité

PROPRIÉTÉS

Niveau de qualité	300
Forme	lyophilized powder
specific activity	≥4000 units/mg protein (biuret)
Poids mol.	23 kDa
application(s)	diagnostic assay manufacturing

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Catégories apparentées

[Whole Cell Lysis Reagents & Enhancers](#)

DESCRIPTION

Description générale

Mutanolysin from *Streptomyces globisporus* consists of two main lytic enzymes and may be a useful agent for dental caries control.

Application

Mutanolysin has been used in a study to assess lysing and generating protoplasts of dairy *streptococci*. It has also been used in a study to investigate the conversion of group B *streptococci* to protoplasts. It provides gentle cell lysis for the isolation of easily degradable biomolecules and RNA from bacteria. It has been used in the formation of spheroplasts for isolation of DNA.

Provides gentle cell lysis for the isolation of easily degradable biomolecules and RNA from bacteria. It has been used in the formation of spheroplasts for isolation of DNA.

Conditionnement

1000, 5000, 10000, 50000 units in glass bottle

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involved in the recognition and binding of unique cell wall polymers. Mutanolysin lyses *Listeria* and other Gram-positive bacteria such as *Lactobacillus* and *Lactococcus*.

Définition de l'unité

One unit will produce a ΔA_{600} of 0.01 per minute at pH 6.0 at 37 °C in a 1 mL volume using a suspension of *Streptococcus faecalis* cell wall as substrate.

Forme physique

Lyophilized powder containing Ficoll® and sodium succinate buffer salts

Autres remarques

View more information on [enzymes for complex carbohydrate analysis](#) at www.sigma-aldrich.com/enzymeexplorer

Informations légales

Fiberfrax is a registered trademark of Unifrax Corp.

PRODUITS APPARENTÉS

Substrat

M3440

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INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)**Rechercher**

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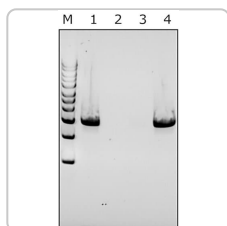
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Numero de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)**Rechercher**

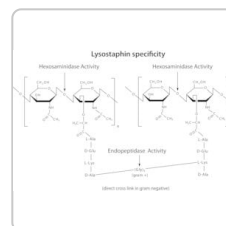
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

SAE0091**Lysostaphin from *Staphylococcus staphylolyticus***

free of DNA contaminants, suitable for Microbiome research, lyophilized powder, ≥500 units/mg protein

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

L2898**Lysostaphin from *Staphylococcus staphylolyticus***

aseptically filled

[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

β -Barrels covalently link peptidoglycan and the outer membrane in the α -proteobacterium *Brucella abortus*.

Pierre Godessart et al.*Nature microbiology*, 6(1), 27-33 (2020-11-04)

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Group A Streptococcus M1T1 Intracellular Infection of Primary Tonsil Epithelial Cells Dampens Levels of Secreted IL-6 Through the Action of SpyCEP.

Amelia T Soderholm et al.

Frontiers in cellular and infection microbiology, 8, 160-160 (2018-06-06)

Streptococcus pyogenes (Group A Streptococcus; GAS) commonly causes pharyngitis in children and adults, with severe invasive disease and immune sequelae being an infrequent consequence. The ability of GAS to invade the host and establish infection likely involves subversion of host

Molecular characterization of serogroup 19 *Streptococcus pneumoniae* in the Czech Republic in the post-vaccine era.

Helena Žemličková et al.

Journal of medical microbiology, 67(7), 1003-1011 (2018-06-02)

Purpose. The aim of this study was to characterize serogroup 19 isolates resistant to macrolides and/or penicillin found among pneumococci recovered from cases of invasive and respiratory tract disease in the Czech Republic in 2014. Methods. Pneumococcal isolates of serotypes 19A

Mutanolysin for Improved Lysis and Rapid Protoplast Formation in Dairy *Streptococci*

Kondo, J. and L. McKay

Journal of Dairy Science, 65, 1428-1431 (1982)

c-di-AMP is a new second messenger in *Staphylococcus aureus* with a role in controlling cell size and envelope stress.

Rebecca M Corrigan et al.

PLoS pathogens, 7(9), e1002217-e1002217 (2011-09-13)

The cell wall is a vital and multi-functional part of bacterial cells. For *Staphylococcus aureus*, an important human bacterial pathogen, surface proteins and cell wall polymers are essential for adhesion, colonization and during the infection process. One such cell wall

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Protocoles

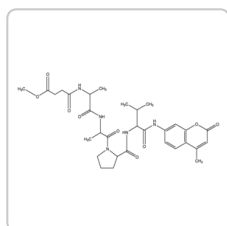
Enzymatic Assay of Mutanolysin

This procedure may be used for Mutanolysin products.

GenElute™ Bacterial Genomic DNA Kit Protocol (NA2100, NA2110, NA2120)

GenElute™ Bacterial Genomic DNA Kit protocol describes a simple and convenient way for the isolation of pure genomic DNA from bacteria.

PRODUITS CONSULTÉS RÉCEMMENT



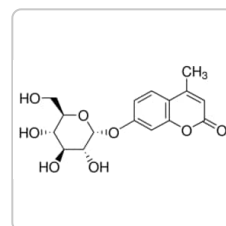
Sigma-Aldrich

M9771

N-Methoxysuccinyl-Ala-Ala-Pro-Val-7-amido-4-methylcoumarin

elastase substrate

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Sigma-Aldrich

M9766

4-Methylumbelliferyl α-D-glucopyranoside

α-glucosidase substrate

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Évaluations



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