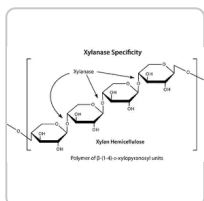


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Documents



FDS



COO/COA



Fiche des caractéristiques

SAE0020 ▶ **Sigma-Aldrich**

Cellulase, enzyme blend

★★★★★ (0)

Synonyme(s):

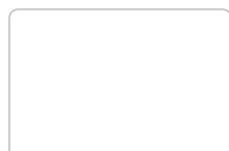
Cellic CTec2

Référence	Conditionnement	Disponibilité	Prix	Quantité
SAE0020-50ML	50 ML	✓ Disponible pour expédition le 06 octobre 2022	Détails... 140,00 €	- + i

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PRODUITS RECOMMANDÉS

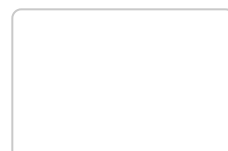


Sigma-Aldrich

C2730

Cellulase from *Trichoderma reesei*

aqueous solution. ≥700 units/g



Sigma-Aldrich

C1184

Cellulase from *Aspergillus niger*

powder. ≥0.3 units/mg solid

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PROPRIÉTÉS

Forme	aqueous solution
Niveau de qualité	200
Densité	~1.15 g/mL
Expédié(e)s dans	ambient
Temp. de stockage	2-8°C

DESCRIPTION

Description générale

Cellulase is a member of glycoside hydrolase family and is produced by a number of cellulolytic microbes.

This product contains cellulases, β -glucosidases, and hemicellulase, for the application of degrading cellulose to fermentable sugars. This product is effective on a wide variety of pre-treated lignocellulosic biomass materials, for converting the carbohydrates in these materials into simple sugars prior to fermentation, for application in biofuels research.

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**Conditionnement**

50 mL in glass bottle

Actions biochimiques/physiologiques

Cellulase is responsible for the breakdown of insoluble plant polymer cellulosic substrates into soluble sugars, mostly cellobiose and glucose. It specifically catalyzes the hydrolysis of β -1,4 glucosidic bonds in cellulose. Animals do not naturally possess the ability to digest cellulose, but do so with the help of gut microorganisms.

Informations légales

A product of Novozyme Corp

INFORMATIONS SUR LA SÉCURITÉ**Pictograms**

GHS08

Mention d'avertissement

Danger

Mentions de danger

H334

Conseils de prudence

P261 - P284 - P501

Classification des risques

Resp. Sens. 1

**Code de la classe de
stockage**

10 - Combustible liquids

WGK

WGK 3

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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

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

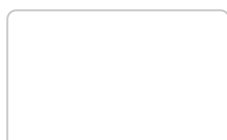
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

X2753

Xylanase

<https://www.sigmaaldrich.com/FR/fr/product/sigma/sae0020>



Sigma-Aldrich

P2611

Pectinase from *Aspergillus aculeatus*

aqueous solution, 50,000 units/ml

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ARTICLES REVUS PAR DES PAIRS

A cellulase gene of termite origin.

Watanabe H, et al.

Nature, 394(6691), 330-330 (1998)

Organosolv pretreatment assisted by carbocation scavenger to mitigate surface barrier effect of lignin for improving biomass saccharification and utilization.

Qiulu Chu et al.

Biotechnology for biofuels, 14(1), 136-136 (2021-06-14)

Ethanol organosolv (EOS) pretreatment is one of the most efficient methods for boosting biomass saccharification as it can achieve an efficient fractionation of three major constituents in lignocellulose. However, lignin repolymerization often occurs in acid EOS pretreatment, which impairs subsequent

Deconstruction of oriented crystalline cellulose by novel levulinic acid based deep eutectic solvents pretreatment for improved enzymatic accessibility.

Zhe Ling et al.

Bioresource technology, 305, 123025-123025 (2020-03-03)

Discovering green solvents and their inner mechanisms for efficient deconstruction of lignocellulosic biomass recalcitrance are receiving growing interests. In this work, eco-friendly levulinic acid (LA) based deep eutectic solvents (DES) were proposed for pretreatment on moso bamboo by combining acetamide

Combination of steam explosion pretreatment and anaerobic alkalization treatment to improve enzymatic hydrolysis of *Hippophae rhamnoides*.

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(77.16%) at

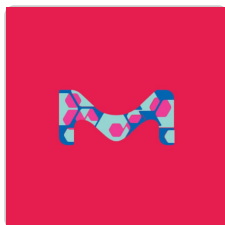
Model of acetic acid-affected growth and poly (3-hydroxybutyrate) production by *Cupriavidus necator* DSM 545.

Marudkla J, et al.

Journal of Biotechnology, 268, 12-20 (2018)

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PRODUITS CONSULTÉS RÉCEMMENT

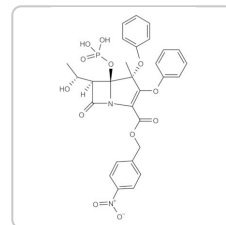


Sigma-Aldrich

SAE0013

Oxyrase® for Broth

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Sigma-Aldrich

SAE0009

Proteinase K from *Tritirachium album*

≥30 units/mg protein

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Évaluations



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