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E7889 ▶ **Sigma-Aldrich.**

Ethylenediaminetetraacetic acid disodium salt solution

★★★★★ (0)

for molecular biology, 0.5 M in H₂O, DNase, RNase, NICKase and protease, none detected

Synonyme(s):

(Ethylenedinitrilo)tetraacetic acid disodium salt, EDTA disodium salt, EDTA-Na₂

Formule linéaire:

$[-CH_2N(CH_2CO_2Na)CH_2CO_2H]_2$

Numéro CAS: **139-33-3**

Poids moléculaire: 336.21

Beilstein: 3822669

Numéro MDL: **MFCD00070672**

ID de substance PubChem: **24894660**

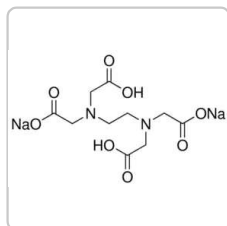
NACRES: NA.31

Référence	Conditionnement	Disponibilité	Prix	Quantité
E7889-100ML	100 ML	✓ Disponible pour expédition le 10 octobre 2022	Détails... 57,10 €	− +
E7889-1L	1 L	✓ Only 2 left in stock (more on the way)	Détails... 309,00 €	− +

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PRODUITS RECOMMANDÉS

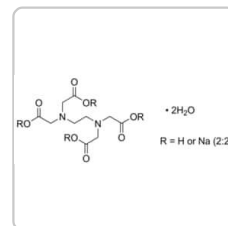


Sigma-Aldrich

03690

Ethylenediaminetetraacetic acid disodium salt solution

BioUltra, for molecular biology, pH 8.0, ~0.5 M in H₂O

[Consulter le prix et la disponibilité](#)


Sigma-Aldrich

E5134

Ethylenediaminetetraacetic acid disodium salt dihydrate

suitable for electrophoresis, for molecular biology, 99.0-101.0% (titration)

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Qualité	for molecular biology
Niveau de qualité	300
Stérilité	0.2 µm filtered
Concentration	0.5 M in H ₂ O
Activité étrangère	DNase, RNase, NICKase and protease, none detected
SMILES string	[Na+].[Na+].OC(=O)CN(CCN(CC(O)=O)CC([O-])=O)CC([O-])=O
InChI	1S/C10H16N2O8.2Na/c13-7(14)3-11(4-8(15)16)1-2-12(5-9(17)18)6-10(19)20;;/h1-6H2,(H,13,14)(H,15,16)(H,17,18)(H,19,20);;/q;2*+1/p-2

InChI key

ZGTMUACCHSMWAC-UHFFFAOYSA-L

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

Catégories apparentées

[Chelating & Reducing Agents](#)

DESCRIPTION

Description générale

Ethylenediaminetetraacetic acid disodium salt solution is a chelating agent suitable for molecular biology applications.

Notes préparatoires

Prepared in 18 megohm water with Molecular Biology Reagent EDTA (E 5134)

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS08

Mention d'avertissement

Warning

Mentions de danger

H373

Conseils de prudence

P260 - P314 - P501

Classification des risques

STOT RE 2 Inhalation

Organes cibles

Respiratory Tract

Code de la classe de stockage

12 - Non Combustible Liquids

WGK

WGK 2

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

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

Certificat d'origine

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

Numéro de lot

e.g. 023J5431

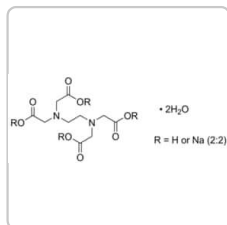
Comment saisir un numéro de lot (COO)

Rechercher

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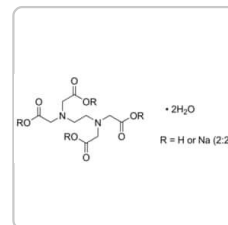
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

E4884**Ethylenediaminetetraacetic acid disodium salt dihydrate**

ACS reagent, 99.0-101.0%

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

E6635**Ethylenediaminetetraacetic acid disodium salt dihydrate**

Sigma Grade, suitable for plant cell culture, 98.5-101.5%

[Consulter le prix et la disponibilité](#)

QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

Can a solution of EDTA disodium salt, Product E7889, be autoclaved?

Yes, solutions of EDTA may be autoclaved.

What is the pH of E7889, EDTA disodium salt solution?

E7889 has a pH specification of 7.5 to 8.5 at 25 °C.

How many divalent cations does Product E7889, EDTA disodium salt, complex with?

EDTA forms 1:1 complex with divalent cations.

What type of biological activity does Product E7889, EDTA disodium salt, exhibit?

EDTA is a metal ion-dependent enzyme inhibitor. It may be used as a metalloprotease inhibitor at a concentration of 1-10 µM, or as a DNase I inhibitor at a concentration of 1-10 mM.

At what concentration should I use Product E7889, EDTA disodium salt, as an anticoagulant?

The optimal concentration of EDTA to be used as an anticoagulant is 1.5 mg of EDTA disodium salt per ml of blood or 1-2 drops of a 2% EDTA solution per ml of blood.

Which document(s) contains shelf-life or expiration date information for a given product?

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

How do I get lot-specific information or a Certificate of Analysis?

The lot specific COA document can be found by entering the lot number above under the "Documents" section.

How do I find price and availability?

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

[Flow cytometric determination of genome size in European sunbleak *Leucaspis delineatus* \(Heckel, 1843\).](#)

Marta Filipiak et al.

Fish physiology and biochemistry, 38(2), 355-362 (2011-05-27)

The aim of this study was to compare DNA content in hepatocyte and erythrocyte nuclei of the European sunbleak, *Leucaspis delineatus*, in relation to nuclear and cell size by means of flow cytometry and fluorescence microscopy. The DNA standards, chicken

Evaluating the Anti-Inflammatory and Antioxidant Effects of Broccoli Treated with High Hydrostatic Pressure in Cell Models.

Yi-Yuan Ke et al.

Foods (Basel, Switzerland), 10(1) (2021-01-21)

Isothiocyanates (ITCs) are important functional components of cruciferous vegetables. The principal isothiocyanate molecule in broccoli is sulforaphane (SFN), followed by erucin (ERN). They are sensitive to changes in temperature, especially high temperature environments where they are prone to degradation. The

Proteogenomic Characterization of Endometrial Carcinoma.

Yongchao Dou et al.

Cell, 180(4), 729-748 (2020-02-16)

We undertook a comprehensive proteogenomic characterization of 95 prospectively collected endometrial carcinomas, comprising 83 endometrioid and 12 serous tumors. This analysis revealed possible new consequences of perturbations to the p53 and Wnt/ β -catenin pathways, identified a potential role for circRNAs in

Genomic maps of long noncoding RNA occupancy reveal principles of RNA-chromatin interactions.

Ci Chu et al.

Molecular cell, 44(4), 667-678 (2011-10-04)

Long noncoding RNAs (lncRNAs) are key regulators of chromatin state, yet the nature and sites of RNA-chromatin interaction are mostly unknown. Here we introduce Chromatin Isolation by RNA Purification (ChIRP), where tiling oligonucleotides retrieve specific lncRNAs with bound protein and

Master Regulators and Cofactors of Human Neuronal Cell Fate Specification Identified by CRISPR Gene Activation Screens.

Joshua B Black et al.

Cell reports, 33(9), 108460-108460 (2020-12-03)

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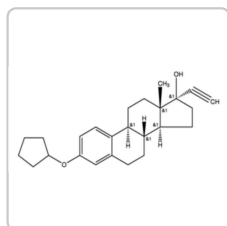
Articles

ReadyShield® phosphatase and protease inhibitor cocktail FAQ for sample protection in a variety of cell types and tissue extracts, including mammalian, plant, and microbial samples. Our ReadyShield® Protease Inhibitor Cocktail is a non-freezing solution that contains inhibitors with a...

Protocoles

Preparation of Plasmid DNA by Alkaline Lysis with SDS: Maxipreparation between Cold Spring Harbor Laboratory Press and our research team.

PRODUITS CONSULTÉS RÉCEMMENT



17 α -Ethinylestradiol 3-cyclopentyl ether



Elastase from porcine pancreas
lyophilized powder, suitable for cell culture

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Évaluations

[Soyez le premier à donner votre avis sur ce produit](#)

Questions

[Soyez le premier à poser une question](#)

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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