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E5134 ▶ **Sigma-Aldrich.**

Ethylenediaminetetraacetic acid disodium salt dihydrate

★★★★★ (0)

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

Synonyme(s):

Disodium ethylenediaminetetraacetate dihydrate, EDTA disodium salt, EDTA-Na₂, Edathamil, Edetate disodium salt dihydrate, Sequestrene Na₂

Empirical Formula (Hill Notation):

C₁₀H₁₄N₂Na₂O₈ · 2H₂O

Numéro CAS: **6381-92-6**

Poids moléculaire: 372.24

Beilstein: 3900609

Numéro EC: **205-358-3**

ID de substance PubChem: **24894605**

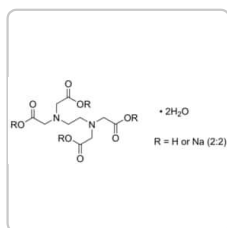
NACRES: NA.31

Référence	Conditionnement	Disponibilité	Prix	Quantité
E5134-50G	50 G	✓ Date d'expédition estimée le 10 octobre 2022 Détails...	32,30 €	— +
E5134-100G	100 G	✓ Date d'expédition estimée le 10 octobre 2022 Détails...	53,80 €	— +
E5134-250G	250 G	✓ Date d'expédition estimée le 10 octobre 2022 Détails...	98,20 €	— +

Référence	Conditionnement	Disponibilité	Prix	Quantité
E5134-500G	500 G	✓ Date d'expédition estimée le 10 octobre 2022 Détails...	153,00 €	— + i
E5134-1KG	1 KG	✓ Only 2 left in stock (more on the way) Détails...	285,00 €	— + i
E5134-5KG	5 KG	✓ Date d'expédition estimée le 10 octobre 2022 Détails...	1 140,00 €	— + i

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PRODUITS RECOMMANDÉS

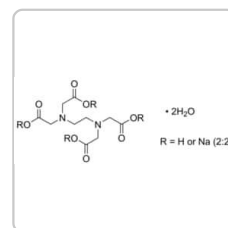


Sigma-Aldrich

E4884

Ethylenediaminetetraacetic acid disodium salt dihydrate

ACS reagent, 99.0-101.0%

[Consulter le prix et la disponibilité](#)


Millipore

324503

EDTA, Disodium Salt, Dihydrate, Molecular Biology Grade - CAS 6381-92-6 - Calbiochem

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Qualité	for molecular biology
Niveau de qualité	300
Essai/Dosage	99.0-101.0% (titration)
Forme	powder
technique(s)	electrophoresis: suitable
Impuretés	≤0.005% Insolubles ≤0.1% Nitrilotriacetic acid (NTA)
Pf	248 °C (dec.) (lit.)
Solubilité	3 M NaOH: 1.6 g/10 mL
Traces de cations	Fe: ≤0.005% Pb: ≤0.002%
Activité étrangère	DNase, RNase, NICKase and protease, none detected
Temp. de stockage	room temp
SMILES string	O.O.O.O.[Na+].[Na+].[Na+]. [Na+].OC(=O)CN(CCN(CC([O-])=O)CC([O-])=O)CC(O)=O.OCC(=O)CN(CCN(CC(O)=O)CC([O-])=O)CC([O-])=O

InChI

1S/C10H16N2O8.2Na.2H2O/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);;2*1H2/q;2*+1;:/p-2

InChI key

OVBJJZOQPCKUOR-UHFFFAOYSA-L

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

Catégories apparentées

[Biological Buffers](#)[Chelating & Reducing Agents](#)

DESCRIPTION

Description générale

Ethylenediaminetetraacetic acid disodium salt dehydrate is designated as Molecular Biology grade and is suitable for molecular biology applications. It has been analyzed for the presence of nucleases and proteases.

Application

Ethylenediaminetetraacetic acid disodium salt dehydrate has been used:

- To prepare TE buffer.
- As an anticoagulant.
- As a constituent of Flow buffer.

Chelator of divalent cations. Inhibits enzymes, such as metalloproteases, that require divalent cations for activity.

Conditionnement

50, 100, 250, 500 g in poly bottle

1 kg in poly bottle

5 kg in poly drum

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS07,GHS08

Mention d'avertissement

Warning

Mentions de danger

H332 - H373

Conseils de prudence

P260 - P271 - P304 + P340 +
P312 - P314 - P501

Classification des risques

Acute Tox. 4 Inhalation -
STOT RE 2 Inhalation

Organes cibles

Respiratory Tract

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 2

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

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

Comment saisir un numéro de lot (COO)

Rechercher

Plus De Documents

[FT-IR Condensed Phase](#)

[Spectra - ATR-IR](#)

[Spectra for FT-IR Raman](#)

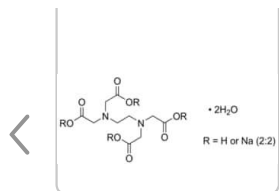
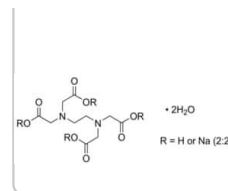
[Structure Search](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

 Millipore

 USP

**4010-OP****OmniPur® EDTA, Disodium Salt, Dihydrate**[Consulter le prix et la disponibilité](#)**1233009****Edetate disodium**

United States Pharmacopeia (USP) Reference Standard

[Consulter le prix et la disponibilité](#)

QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

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.

Can solutions of Product E5134, EDTA disodium salt, be autoclaved?

Yes.

Is Product E5134, EDTA disodium salt, stable in solution?

Yes. A 0.5 M stock solution at pH 8.5 is stable for months at 2-8°C.

What is the working concentration for Product E5134, EDTA disodium salt, for use as an anti-coagulant?

The optimal concentration is 1.5 mg per mL of blood.

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

External quality assessment of methylmalonic acid and total homocysteine.

Müller J, et al.

Clinical Chemistry, 45(9), 1536-1542 (1999)

Expression of ABCG2 and Bmi-1 in oral potentially malignant lesions and oral squamous cell carcinoma.

Dalley AJ, et al.

Cancer Medicine, 3(2), 273-283 (2014)

Isolation of RNA from bacterial samples of the human gastrointestinal tract.

Erwin G Zoetendal et al.

Nature protocols, 1(2), 954-959 (2007-04-05)

The human gastrointestinal (GI) tract contains a complex microbial community that consists of numerous uncultured microbes. Therefore, nucleic-acid-based approaches have been introduced to study microbial diversity and activity, and these depend on the proper isolation of DNA, rRNA and mRNA.

Use of longer sized screws is a salvage method for broken pedicles in osteoporotic vertebrae.

Ming-Kai Hsieh et al.

Scientific reports, 10(1), 10441-10441 (2020-06-28)

Screw loosening due to broken pedicles is a common complication resulting from the insertion of screws either with inadequate diameters or into an osteoporotic pedicle. In this novel in vitro study, we tried to clarify the contribution of the pedicle

CUT&RUN detects distinct DNA footprints of RNA polymerase II near the transcription start sites.

Michi Miura et al.

Chromosome research : an international journal on the molecular, supramolecular and evolutionary aspects of chromosome biology, 28(3-4), 381-393 (2020-10-19)

CUT&RUN is a powerful tool to study protein-DNA interactions in vivo. DNA fragments cleaved by the targeted micrococcal nuclease identify the footprints of DNA-binding proteins on the chromatin. We performed CUT&RUN on human lung carcinoma cell line A549 maintained in

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Comet Assay

The Comet Assay, also called single cell gel electrophoresis (SCGE), is a sensitive and rapid technique for quantifying and analyzing DNA damage in individual cells.

Protocoles

Protein Interactions

This protocol describes a method for chemical cross-linking of proteins using formaldehyde. With the exception of zero-length cross-linkers, formaldehyde has the shortest cross-linking span (~2-3 Å) of any cross-linking reagent, thus making it an ideal tool for detecting specific protein-...

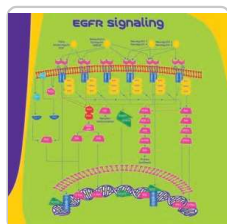
Comet Assay

The Comet Assay, also called single cell gel electrophoresis (SCGE), is a sensitive and rapid technique for quantifying and analyzing DNA damage in individual cells.

Hand-casting gels for PAGE and SDS-PAGE using TurboMix® Bis-Tris Gel Casting Kits

Overview of polyacrylamide gel chemistry and detailed instructions for hand-casting polyacrylamide gels using TurboMix® Bis-Tris Gel Casting Kits

PRODUITS CONSULTÉS RÉCEMMENT



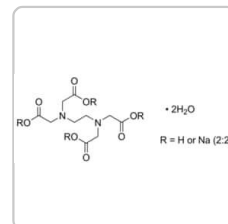
Sigma-Aldrich

E5036

Epidermal Growth Factor, human, animal component free

EGF, recombinant, expressed in Escherichia coli, >97% (SDS-PAGE)

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

E4884

Ethylenediaminetetraacetic acid disodium salt dihydrate

ACS reagent, 99.0-101.0%

[Consulter le prix et la disponibilité](#)

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..

[Contacter notre Service technique](#)

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