

[Toutes les photos \(4\)](#)

48912-
U 

ProClin™ 300 

★★★★★ (0)

pkg of 50 mL

NACRES: NA.21

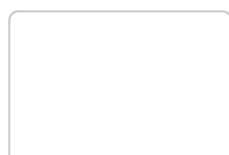
Documents

[↓ FDS](#)[🔍 COO/COA](#)[📄 Fiche des caractéristiques](#)

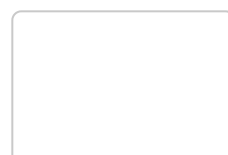
Référence	Conditionnement	Disponibilité	Prix	Quantité
48912-U	50 ML	 Disponible pour expédition le 06 octobre 2022 Détails...	84,50 €	— + 

[Demander une commande en gros](#)[Ajouter au panier](#)

PRODUITS RECOMMANDÉS



Sigma-Aldrich
48914-U
ProClin™ 300



Sigma-Aldrich
46878-U
ProClin™ 950

[Consulter le prix et la disponibilité](#)**Elevate**[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Contient Alkyl Carboxylate

Niveau de qualité 300

Composition CMIT/MIT, 3%

Conditionnement pkg of 50 mL

Caractéristiques du produit alternatif plus écologique Designing Safer Chemicals
Learn more about the [Principles of Green Chemistry](#).

Matrice Modified glycol

operating pH range 2.5-8.5

Autre catégorie plus écologique [Aligned](#)

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

Catégories apparentées

[Greener Alternative Products](#)

DESCRIPTION

Description générale

ProClin™ preservatives are water-soluble preparations of biocides that are generally used to increase the shelf life of reagents. ProClin™ 300 comprises of 3% of 5-chloro-2-methyl-4-isothiazolin-3-one (CMIT) and 2-methyl-4-isothiazoloin-3-one (MIT) in a salt-free proprietary glycol containing an alkly carboxylate stabilizer. It has a recommended working pH range as 2.5 - 8.5.

We are committed to bringing you greener alternative products, which adhere to one or more of The 12 Principles of Green Chemistry. ProClin™ 300 is a biocide that is considered as a greener alternative to more toxic NaN_3 . It gives better protection than NaN_3 and thus this product aligns with "Design for Safer chemicals". [Click here](#) for more information.

Application

For use in biological diagnostic assays and IVDs only

ProClin biocides are immediately microstatic upon contact with microbial organisms as a result of their ability to quickly penetrate cell membranes and inhibit specific enzymes crucial to cellular respiration. Multiple specific sites of ProClin toxicity prevent microorganisms from developing high levels of resistance, making ProClin highly efficient even over extended storage periods of your IVD components.

ProClin™ 300 is suitable for preparation of different buffers like ELISA buffer, sample and substrate dilution buffers for Single-Molecule Arrays (Simoa assay) and Immunoenzymatic assay. Additionally, Proclin™ may be used in preparing storage buffer to store beads coupled with coronavirus nucleocapsid protein for the serological multiplex assay.

Actions biochimiques/physiologiques

ProClin™ products contain active substances like CMIT and MIT which inhibit the Krebs cycle at four different check points, the enzymes pyruvate dehydrogenase, α -ketoglutarate dehydrogenase, succinate dehydrogenase, and NADH dehydrogenase. The

inhibition of Krebs cycle leads to effective broad-spectrum biocidal activity against bacteria, fungi, and yeast.

Liaison

For additional technical details on ProClin, including key features and mechanism of action, please visit www.sigmaaldrich.com/proclin.

Informations légales

ProClin is a trademark of The Dow Chemical Company or an affiliated company of Dow

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS05,GHS07,GHS09

Mention d'avertissement

Danger

Mentions de danger

H302 + H332 - H314 - H317 -
H410

Conseils de prudence

P273 - P280 - P301 + P312 -
P303 + P361 + P353 - P304 +
P340 + P310 - P305 + P351 +
P338

Classification des risques

Acute Tox. 4 Inhalation -
Acute Tox. 4 Oral - Aquatic
Acute 1 - Aquatic Chronic 1 -
Eye Dam. 1 - Skin Corr. 1B -
Skin Sens. 1

Code de la classe de stockage

8A - Combustible, corrosive
hazardous materials

WGK

WGK 3

Flash Point(F)

244.4 °F - closed cup

Point d'éclair C

118 °C - closed cup

Équipement de protection individuelle

Faceshields, Gloves, Goggles,
type ABEK (EN14387)

respirator filter

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).

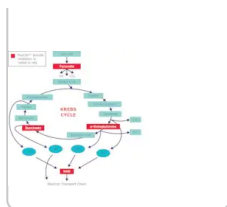
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

48121**ProClin™ 150**

Method Development Kit, pkg of 3 × 5 mL each (three different lots)

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

46879-U**ProClin™ 950**

pkg of 400 mL

[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.

What is the concentration of active ingredients in ProClin 300?

ProClin 300 contains a total of 3% active ingredient.

What is the matrix of the ProClin 300?

ProClin 300 is a viscous solution containing 93-95 % Modified glycol and 2-3 % Alkyl carboxylate.

When would I choose to use ProClin 300?

ProClin 300 is best used with production runs of standards, controls, and large volume buffers and solutions. The product is quite viscous and difficult to work with when trying to measure small volumes.

What are the active ingredients in ProClin 300?

ProClin 300 contains two active ingredients: 5-Chloro-2-methyl-4-isothiazolin-3-one (CMIT, CAS RN 26172-55-4) and 2-Methyl-4-isothiazolin-3-one (MIT, CAS RN 2682-20-4).

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.

What is the density of ProClin 300?

The density of ProClin 300 is reported as 8.59 pounds per gallon. The specific gravity at 22°C is reported as 1.03 g/mL.

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

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

Single Molecule Arrays for ultra-sensitive detection of rat cytokines in serum.

Limor Cohen et al.

Journal of immunological methods, 452, 20-25 (2017-10-19)

Rats are used as animal models for many human diseases. Cytokines can serve as biomarkers indicative of these diseases or disease states. Techniques for measuring cytokine expression levels often do not provide the sensitivity needed to measure these biomarkers in

Single Molecule Arrays for ultra-sensitive detection of rat cytokines in serum

Cohen L, et al.

Journal of Immunological Methods, 452, 20-25 (2018)

SARS-CoV-2 T-cell epitopes define heterologous and COVID-19-induced T-cell recognition

Nelde A, et al.
Research (Washington, D.C.) (2020)

SARS-CoV-2-derived peptides define heterologous and COVID-19-induced T cell recognition.

Annika Nelde et al.
Nature immunology, 22(1), 74-85 (2020-10-02)

T cell immunity is central for the control of viral infections. To characterize T cell immunity, but also for the development of vaccines, identification of exact viral T cell epitopes is fundamental. Here we identify and characterize multiple dominant and

Molecular-biological problems of drug design and mechanism of drug action

GI Khvatova and AV Semeikin
Journal of Pharmacy and Chemistry, 44(12), 651-653 (2011)

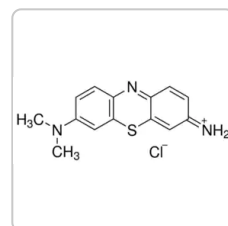
[Afficher tous les articles scientifiques apparentés](#)

PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich
48914-U
ProClin™ 300
pkg of 400 mL

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich
48900
Giemsa Stain, Modified Solution
(for the staining (of cellular blood components and blood parasites))

[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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