

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



Toutes les
photos (1)

Documents

FDS

COO/COA

Fiche des
caractéristiques

Plus de
documents »

H1758 ► Sigma-Aldrich.

Hydrochloric acid

★★★★★ (0)

36.5-38.0%, BioReagent, for molecular biology

Empirical Formula (Hill Notation):

HCl

Numéro CAS: **7647-01-0**

Beilstein: 1098214

Numéro MDL: **MFCD00011324**

NACRES: NA.31

Poids moléculaire: 36.46

Numéro EC: **231-595-7**

ID de substance PubChem: **24895478**

Référence	Conditionnement	Disponibilité	Prix	Quantité
H1758-100ML	100 ML	✓ Date d'expédition estimée le 10 octobre 2022	Détails... 45,10 €	− +
H1758-500ML	500 ML	✓ Date d'expédition estimée le 10 octobre 2022	Détails... 154,00 €	− +

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PRODUITS RECOMMANDÉS

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HCl

Sigma-Aldrich

H9892

Hydrochloric acid solution

1.0 N, BioReagent, suitable for cell culture

Consulter le prix et la disponibilité

HCl

Supelco

1.09057

Hydrochloric acid

c(HCl) = 1 mol/l (1 N), Titripur[®], reag. Ph. Eur., reag. USP

Consulter le prix et la disponibilité

>

PROPRIÉTÉS

Qualité	for molecular biology
Niveau de qualité	200
Densité de vapeur	1.3 (vs air)
Pression de vapeur	3.23 psi (21.1 °C) 7.93 psi (37.7 °C)
Gamme de produits	BioReagent
Essai/Dosage	36.5-38.0%
Forme	liquid

Concentration

Concentration	30-50%
Couleur	light yellow
pH	<1 (20 °C)
Point de bulle	>100 °C (lit.)
Solubilité	H ₂ O: soluble
Densité	1.2 g/mL at 25 °C (lit.)
Traces de cations	Fe: ≤0.2 ppm heavy metals (as Pb): ≤1 ppm
Adéquation	suitable for molecular biology
SMILES string	Cl
InChI	1S/ClH/h1H
InChI key	VEXZGXHMGYJMC-UHFFFAOYSA-N

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

Catégories apparentées

Acids

DESCRIPTION

Application

Hydrochloric acid has been used:

- for the solubilization of formazan crystals
- to adjust pH in various buffers
- for the preparation of giant reed extract

Hydrochloric acid has been used:

- in cell viability assays
- for DNA denaturation
- for pH adjustments in sucrose hydrolysis experiment

Conditionnement

100, 500 mL in glass bottle

INFORMATIONS SUR LA SÉCURITÉ

Pictograms

Mention d'avertissement
Danger

Mentions de danger
H290 - H314 - H335

Conseils de prudence
P234 - P261 - P271 - P280 -
P303 + P361 + P353 - P305 +



P351 + P338

GHS05,GHS07

Classification des risques

Eye Dam. 1 - Met. Corr. 1 -
Skin Corr. 1B - STOT SE 3

Organes cibles

Respiratory system

Code de la classe de stockage

8B - Non-combustible,
corrosive hazardous
materials

WGK

WGK 1

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

Plus De Documents

[Molarity Calculator](#)

[Pressure-Temperature Nomograph](#)

[Structure Search](#)

[FDS](#)

QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

How does the storage temperature relate to shipping conditions?

The storage conditions that a Sigma-Aldrich catalog and label recommend for products are deliberately conservative. For many products, long-term storage at low temperatures will increase the time during which they are expected to remain in specification and therefore are labeled accordingly. Where short-term storage, shipping time frame, or exposure to conditions other than those recommended for long-term storage will not affect product quality, Sigma-Aldrich will ship at ambient temperature. The products sensitive to short-term exposure to conditions other than their recommended long-term storage are shipped on wet or dry ice. Ambient temperature shipping helps to control shipping costs for our customers. At any time, our customers can request wet- or dry-ice shipment, but the special handling is at customer expense if our product history indicates that the product is stable for regular shipment. See [Shipping and Storage](#) for more information.

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.

How do I calculate the molarity of Product No. H1758, Hydrochloric acid?

The molarity or molar concentration can be calculated using the following formula: $[\text{Density} \times 1000 \times \text{concentration (\%)}] / (\text{molecular weight})$

What is the molarity or molar concentration of Product No. H1758, Hydrochloric acid?

Based on an approximate density of 1.2 g/ml and a percentage range of 36.5 - 38.0%, concentrated HCl is in the range 11.6-12.0 M (which is also 11.6-12.0 Normal, for this monoprotic acid).

Is Product No. H1758, Hydrochloric acid, given a grade designation?

This product is designated as Molecular Biology grade and is suitable for molecular biology applications.

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

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

Decrease of glial cell-derived neurotrophic factor contributes to anesthesia-and surgery-induced learning and memory dysfunction in neonatal rats.

Gui L, et al.

Growth-suppressing and algicidal properties of an extract from *Arundo donax*, an invasive riparian plant, against *Prymnesium parvum*, an invasive harmful alga

Patino R, et al.

Harmful Algae, 71, 1-9 (2018)

Highly synchronized expression of lineage-specific genes during in vitro hepatic differentiation of human pluripotent stem cell lines

Ghosheh N, et al.

Stem Cells International, 2016 (2016)

Registration and Alignment Between in vivo Functional and Cytoarchitectonic Maps of Mouse Visual Cortex

Zhuang J, et al.

Bio-protocol, 8(4) (2018)

Multi-layered, membrane-integrated microfluidics based on replica molding of a thiol-ene epoxy thermoset for organ-on-a-chip applications.

Sticker D, et al.

Lab on a chip, 15(24), 4542-4554 (2015)

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

[Acid and Base Chart — Table of Acids & Bases](#)

Acid and base chart lists the strength of acids and bases (strongest to weakest) in order. Simple to use laboratory reference chart for scientists, researchers and lab technicians.

Protocoles

Enzymatic Assay of Catalase (EC 1.11.1.6)

This procedure may be used for all Catalase products.

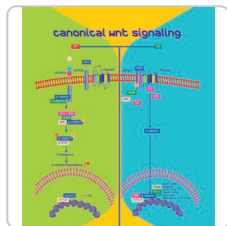
Enzymatic Assay of Ficin (EC 3.4.22.3)

This procedure may be used for all Ficin products.

Enzymatic Assay of Ficin (EC 3.4.22.3)

This procedure may be used for all Ficin products.

PRODUITS CONSULTÉS RÉCEMMENT



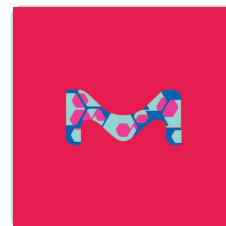
Sigma-Aldrich

H17001

Wnt3A, human

recombinant, expressed in HEK 293 cells human

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

H1641

Hanks' Balanced Salt Solution 10x

Without sodium bicarbonate, 10 ×, liquid, sterile-filtered, suitable for cell culture

[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..

Contactez notre Service technique

Le contenu de cette page vous a-t-il été utile ?*



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