

Proclin 300

Product Number: PCL300

Shipping and Storage

Save: 2-8 saves. Transportation: Ice pack or room temperature transportation.

Description

Liquid preservative (PC300)

Biological preservatives have broad-spectrum antibacterial properties, can kill various bacteria, fungi, and yeast, maintain enzyme activity in the system, and do not affect antibody binding. They are an ideal substitute for preservatives such as thiomersal (mercury containing organic matter) and sodium azide (flammable and explosive drugs). The active ingredients are derivatives of isothiazolinone, and the active ingredients are 5-chloro-2-methyl-4-isothiazolin-3-one (CIT) and 2-methyl-4-isothiazolin-3-one (MIT). At present, it has been verified that it can be used for the following products: AST GGT、ALB、UA、CHOL、TRIG、HBDH、UREA、TBA、 Immunization for 5 items, etc.

Appearance	Light green or colorless transparent solution
Effective component (w/w)	≥3.0%
pH	2.0-5.0
Solubility	Miscible with water and low molecular weight alcohols
Stability pH 2.0-9.0	Stable

Features

1. Broad spectrum and long-lasting killing of various bacteria, fungi, and yeast, with both bactericidal and bacteriostatic effects. The dosage is small, with a short-term (dilution solution, coating solution, sealing solution) usage of 0.05% and a long-term (positive and negative control, enzyme dilution solution, sample dilution solution, etc.) usage of 0.1%. The usage cost is low.
2. Good compatibility, does not affect the activity of key enzymes, and does not inhibit antibody binding.
3. The pH tolerance range is 2-9, and the chemical stability is good. It can be compatible with various ionic emulsifiers, surfactants, serum, proteins, enzymes, etc., including water, anions, cations, and non ions.
4. Soluble in water, can be mixed with acetone, ethanol, and glycerol at will, can be added in any process, and is easy to use and operate.
5. Low toxicity, completely harmless to health within the usage concentration.

Application

1. Reference substance, coating solution, blocking solution, diluent, buffer solution.
2. Liquid chromatography mobile phase (especially sugar column).
3. In vitro diagnostic kit and reagent preparation.

Mechanism of action

Causing the loss of permeability of microbial membranes, resulting in the leakage of cellular contents and the loss of energy generated by electron power.

Note

1. This product should avoid direct contact with the eyes: once in contact, rinse immediately with plenty of water without delay! Do not come into prolonged contact with the skin;
2. This product should not come into contact with reducing metals such as iron and aluminum during storage to prevent product decomposition.

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