

Description

Trypsin-EDTA is made from trypsin powder, an irradiated mixture of proteases derived from porcine pancreas. Due to its digestive strength, trypsin is widely used for cell dissociation, routine cell culture passaging, and primary tissue dissociation. The trypsin concentration required for dissociation varies with cell type and experimental requirements.

This trypsin solution is modified as follows:

With

- EDTA
- Phenol Red



Contents and Storage

Storage conditions: **-5°C to -20°C**

Shipping conditions: **Dry ice**

Shelf life: **18 months from date of manufacture**

Formulation

Components	Molecular Weight	Concentration (mg/L)	mM
Inorganic Salts			
Potassium Chloride (KCl)	75.0	400.0	5.3333335
Potassium Phosphate monobasic (KH₂PO₄)	136.0	60.0	0.44117647
Sodium Bicarbonate (NaHCO₃)	84.0	350.0	4.1666665
Sodium Chloride (NaCl)	58.0	8000.0	137.93103
Sodium Phosphate dibasic (Na₂HPO₄·7H₂O)	268.0	90.0	0.33582088
Other Components			
D-Glucose (Dextrose)	180.0	1000.0	5.5555553
EDTA 4Na 2H₂O	416.2	380.0	0.9130226
Phenol Red	398.0	10.0	0.025125628
Trypsin	23800.0	2500.0	0.10504202

Specifications

General Specifications

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Chelators:	EDTA
Phenol Red Indicator:	Phenol Red
Classification:	Animal Origin
Form:	Liquid
pH Range:	7.2 - 8.0
Osmolality:	270 - 320 mOsm/kg
Concentrated:	1 X
Product Size:	100 mL
Reagent Type:	Trypsin
Tests Performed:	In Vitro Bioassay
Shipping Condition:	Dry Ice
Regulatory Statement:	For Research Use or Further Manufacturing. Not for use in diagnostic procedures.