

Product sheet

**Accutase - 100 mg | 830100**

**Accutase EDTA - 100 mg**

Accutase is a highly active, non-toxic, and non-enzymatic cell dissociation reagent. It is used for the dissociation of adherent cells from tissue culture flasks and plates. The reagent is composed of a mixture of enzymes that efficiently digest the extracellular matrix and cell-cell interactions, allowing for the recovery of viable, single-cell suspensions. It is suitable for a wide range of cell types, including primary cells, cell lines, and stem cells. The reagent is provided as a lyophilized powder, which is easy to store and use. It is typically used at a concentration of 1x in the dissociation buffer. The dissociation process is performed at 37°C for 5-10 minutes. The resulting cell suspension is then washed with a suitable medium, such as PBS or DMEM, and the cells are resuspended in the desired culture medium. The reagent is compatible with a variety of cell culture conditions and media. It is also suitable for use in high-throughput screening and cell-based assays. The reagent is available in 100 mg and 500 mg packages. The 100 mg package is suitable for small-scale experiments, while the 500 mg package is suitable for large-scale experiments. The reagent is also available in a 100 mg EDTA-free formulation. The EDTA-free formulation is suitable for use in cell-based assays that require the absence of EDTA. The reagent is also available in a 100 mg EDTA-free formulation. The EDTA-free formulation is suitable for use in cell-based assays that require the absence of EDTA.

**Properties**

- 1x concentration - suitable for most cell types
- High activity and efficiency
- Non-toxic and non-enzymatic
- Suitable for a wide range of cell types
- 37°C - optimal temperature for dissociation
- Compatible with PBS, Dulbecco's EDTA
- pH 6.8 - 7.8

**Applications**

Accutase is used for the dissociation of adherent cells from tissue culture flasks and plates. It is suitable for a wide range of cell types, including primary cells, cell lines, and stem cells. The reagent is typically used at a concentration of 1x in the dissociation buffer. The dissociation process is performed at 37°C for 5-10 minutes. The resulting cell suspension is then washed with a suitable medium, such as PBS or DMEM, and the cells are resuspended in the desired culture medium. The reagent is compatible with a variety of cell culture conditions and media. It is also suitable for use in high-throughput screening and cell-based assays. The reagent is available in 100 mg and 500 mg packages. The 100 mg package is suitable for small-scale experiments, while the 500 mg package is suitable for large-scale experiments. The reagent is also available in a 100 mg EDTA-free formulation. The EDTA-free formulation is suitable for use in cell-based assays that require the absence of EDTA. The reagent is also available in a 100 mg EDTA-free formulation. The EDTA-free formulation is suitable for use in cell-based assays that require the absence of EDTA.

- Primary cells, cell lines, and stem cells
- hESCs, iPSCs
- FACS
- High-throughput screening and cell-based assays
- Compatible with PBS, Dulbecco's EDTA
- pH 6.8 - 7.8

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**Storage**

Accutase should be stored at -20°C. The reagent is stable for up to 12 months. The reagent should be stored in a dry, dark place. The reagent should be protected from light and moisture. The reagent should be stored in a sealed container. The reagent should be stored in a container that is labeled with the product name and lot number. The reagent should be stored in a container that is made of a material that is compatible with the reagent. The reagent should be stored in a container that is made of a material that is compatible with the reagent.

**References**

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Accutase is a trypsin derivative used for cell dissociation. It is a colorless, crystalline powder. pH, storage conditions, and handling instructions are provided below.

**Properties**

<b>Appearance</b>	Colorless, crystalline powder
<b>Formulation</b>	100 mg/ml in PBS with EDTA
<b>Concentration</b>	100 mg/ml
<b>Storage</b>	-15 °C
<b>Stability</b>	Stable for 2 years at +2 °C to +8 °C
<b>pH</b>	6.8 – 7.8
<b>Usage</b>	Use as a 1x solution for cell dissociation
<b>Handling</b>	Handle with care, avoid contact with skin and eyes

**Composition (per 100 mg)**

Component	Amount (mg)
Trypsin (NaCl)	8000.00

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Component	Quantity (µg/ml)
EDTA · 4Na (EDTA salt)	1150.00
KCl	200.00
KH <sub>2</sub> PO <sub>4</sub>	200.00
<b>Additional components</b>	
EDTA · 4Na (EDTA salt)	220.00
Glucose	3.00
Penicillin (100 IU/ml)	

Accutase

Innovative Cell Technologies, Inc.