



PHARMACEUTICAL
GROUP

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Trypsin Products for Cell Culture Manufacturing

Description

Trypsin is a porcine pancreas-derived enzyme that is commonly used for the dissociation and disaggregation of anchorage-dependent mammalian cells and tissues. The concentration of Trypsin required to dislodge cells from their substrate is dependent primarily on the cell type and the age of the culture.

Trypsin can be supplied as either a dry powder at a 1:250 concentration or in various liquid configurations.

Reduction of Porcine Adventitious Agents

Hawkins' Trypsin powder, used in all Trypsin-based products, has been gamma irradiated at a minimum dose of 30 kGy and tested to significantly reduce the risks associated with adventitious agents such as Porcine Parvovirus (PPV), Porcine Respiratory and Reproductive Syndrome (PRRS), and *Mycoplasma hyorhinis*, while maintaining product performance.



Storage

To effectively preserve the integrity of Trypsin in powder or liquid form, it should be stored frozen at -20°C and protected from light.

Country of Origin

All Trypsin is obtained from the United States or Canada and is deemed free of Bovine Spongiform Encephalopathy (BSE). All Trypsin products are manufactured and distributed by Hawkins, Inc. Pharmaceutical Group, Minneapolis, MN.

Precautions and Disclaimer

All Trypsin products are for further manufacturing use only. Trypsin products are not intended for human or therapeutic use.

cGMP Statement

Hawkins, Inc. certifies that this product is manufactured, packaged, labeled, and tested in accordance with current Good Manufacturing Practices conforming to the Q7A Good Manufacturing Practice Guidance for Active Pharmaceutical Ingredients of the US Food and Drug Administration.

Custom Packaging Systems

We work with our customers to develop the optimal packaging system to integrate with your specific production requirements. Typical packaging includes HDPE and polycarbonate bottles, HDPE drums and pails, and media bags with customized tubing and connectors.



Popular Liquid Formulations (with or without Mg, Ca, Phenol Red)

- Trypsin-EDTA 10X in HBSS
- Trypsin-EDTA 1X in HBSS
- Trypsin 10X in HBSS
- Trypsin 1X in HBSS
- Trypsin 10X
- Trypsin 1X

Custom liquid formulations for production use are available. Talk to your Hawkins representative to learn more.

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