

Product Information

Trypsin Powder, Porcine 1:250

gamma irradiated by SER-TAIN™ Process

CATALOG NO. 85450C

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 necessary to dislodge cells from their substrate is dependent primarily on the cell type and the age of the culture.

Many labs utilize dry powder trypsin to make custom solutions at specific concentrations. The 1:250 designation indicates the tryptic activity based on standardized testing. This ratio indicates that one part trypsin will digest 250 parts casein in the USP activity assay.

SAFC Biosciences™ has validated a process using gamma radiation 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. The use of gamma irradiated trypsin requires no change to the end user's methods or procedures while giving additional assurance against microbial contaminants associated with animal-derived products.

All trypsin is obtained from the United States or other countries deemed free of Bovine Spongiform Encephalopathy (BSE).

Precautions

This product is for further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

Storage

To effectively preserve the integrity of trypsin in powdered form it should be stored at the recommended temperature and protected from light. For stability and optimal performance this product should be stored at -10 to -40 C.

Indications of Deterioration

Dry powder should be free flowing. Do not use if powder is caked. Prepared solution should be clear of particulates and flocculent materials. Other evidence of deterioration may include color change as well as degradation of physical or performance characteristics.

Characteristics

Appearance

White to off-white powder

Bioburden

See Certificate of Analysis for lot-specific value

Endotoxin

≤ 20.0 EU/mg

Solubility

Soluble at 2.5%

United States

SAFC Biosciences, Inc.
13804 W. 107th Street
Lenexa, Kansas 66215
USA
Phone +1 913-469-5580
Toll free-USA 1 800-255-6032
Fax +1 913-469-5584
E-mail info-na@sial.com

Europe

SAFC Biosciences Ltd.
Smeaton Road, West Portway
Andover, Hampshire SP10 3LF
UNITED KINGDOM
Phone +44 (0)1264-333311
Fax +44 (0)1264-332412
E-mail info-eu@sial.com

Asia Pacific

SAFC Biosciences Pty. Ltd.
18-20 Export Drive
Brooklyn, Victoria 3025
AUSTRALIA
Phone +61 (0)3-9362-4500
Toll free-AUS 1 800-200-404
Fax +61 (0)3-9315-1656
E-mail info-ap@sial.com

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United States

SAFC Biosciences, Inc.
13804 W. 107th Street
Lenexa, Kansas 66215
USA
Phone +1 913-469-5580
Toll free-USA 1 800-255-6032
Fax +1 913-469-5584
E-mail info-na@sial.com

Europe

SAFC Biosciences Ltd.
Smeaton Road, West Portway
Andover, Hampshire SP10 3LF
UNITED KINGDOM
Phone +44 (0)1264-333311
Fax +44 (0)1264-332412
E-mail info-eu@sial.com

Asia Pacific

SAFC Biosciences Pty. Ltd.
18-20 Export Drive
Brooklyn, Victoria 3025
AUSTRALIA
Phone +61 (0)3-9362-4500
Toll free-AUS 1 800-200-404
Fax +61 (0)3-9315-1656
E-mail info-ap@sial.com

www.safcbiosciences.com