

Product Information

NO-ZYME™

PBS Base, without calcium, without magnesium, without phenol red

CATALOG NO. 59226C

Description

NO-ZYME™ is a non-enzymatic cell dissociation solution that is completely free of animal-derived components. On many cell lines, it works as quickly as trypsin while preserving the structural and functional integrity of cell surface protein. It is ideal for the dissociation of cells in a low-serum or serum-free environment.

Formulation

The formula for NO-ZYME™ is proprietary to SAFC Biosciences. For additional information please call our Technical Services department or e-mail us at technicalservices@sial.com.

Precautions

Use aseptic techniques when handling this product. This product is for further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

Storage

Store NO-ZYME™ protected from light at 15 to 30 C. Do not use after the expiration date.

Indications of Deterioration

Solution should be clear and free of particulates and flocculent material. Do not use if liquid medium is cloudy or contains precipitate. Other evidence of deterioration may include color change or degradation of physical or performance characteristics.

Preparation Instructions

1. NO-ZYME™ is a membrane-filtered solution and should be handled using aseptic technique.
2. Warm NO-ZYME™ solution in a 37 C water bath.

Methods for Use

1. Remove medium from culture vessel by aspiration. Rinse cells with a balanced salt solution that does not contain calcium or magnesium. After 30 - 60 seconds at room temperature, remove the salt solution by aspiration and discard.
2. Add NO-ZYME™ (approximately 2 mL/25 cm² or 5 mL/75 cm² flask) and rock the vessel to coat the cells completely. After 1 - 2 minutes at room temperature, remove the NO-ZYME™ solution by aspiration and discard.
3. Add additional NO-ZYME™ solution to the monolayer and allow the vessel to stand for 2 - 5 minutes at 15 to 30 C, or incubated at 37 C. Strongly adherent cells may require longer exposures.
4. Gently rap the vessel against the palm of your hand to dislodge the cells.
5. Resuspend the cells in medium. Count or subculture the cells using standard procedures.

Characteristics

Appearance

Clear colorless solution

Endotoxin

≤ 1.0 EU/mL

Functional Assay

Cells removed from substrate with intact, functional cell surface receptors

Osmolality

290 - 330 mOsm/kg H₂O

pH

6.7 - 7.9

Sterility

No microbial growth detected

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

Warranty, Limitation of Remedies

SAFC Biosciences warrants to the purchaser for a period of one year from date of delivery that this product conforms to its specifications. Other terms and conditions of this warranty are contained in SAFC Biosciences' written warranty, a copy of which is available upon request. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. In no case will SAFC Biosciences be liable for any special, incidental, or consequential damages arising out of this product or the use of this product by the customer or any third party based upon breach of warranty, breach of contract, negligence, strict tort, or any other legal theory. SAFC Biosciences expressly disclaims any warranty against claims by any third party by way of infringement or the like. THIS PRODUCT IS INTENDED FOR PURPOSES DESCRIBED ONLY AND IS NOT INTENDED FOR ANY HUMAN OR THERAPEUTIC USE.

Additional Terms and Conditions are contained in the product Catalog, a copy of which is available upon request.

NO-ZYME™ is a trademark of SAFC Biosciences, Inc.

© 2006 SAFC Biosciences, Inc.

Issued December 2006 P59226
0103 1005 0406 0606 0906

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