

# Tissue Extraction Reagent I

Catalog Number FNN0071 (100 mL)

Pub. No. MAN0014861 Rev. 2.0 (30)

## Product specifications

<b>Lot number</b>	See product label.
<b>Formulation</b>	50 mM Tris, pH 7.4, 250 mM NaCl, 5 mM EDTA, 2 mM Na <sub>3</sub> VO <sub>4</sub> , 1 mM NaF, 20 mM Na <sub>4</sub> P <sub>2</sub> O <sub>7</sub> , 0.02% NaN <sub>3</sub> , and a proprietary detergent.
<b>Storage</b>	Store Tissue Extraction Reagent I apportioned in working aliquots at ≤-20°C for ≤1 year, or at 2-8°C for 2-3 weeks.
<b>Expiration date</b>	Expires one year from date of receipt when stored as instructed.

## Prepare Tissue Extraction Reagent

1. Thaw Tissue Extraction Reagent I and allow it to warm to room temperature. Mix well.
2. Add protease inhibitor (not included) to Tissue Extraction Reagent I before use. Reconstitute protease inhibitors, then add to Tissue Extraction Reagent I according to the manufacturer instructions.  
Appropriate protease inhibitors include protease inhibitor cocktail powder (Sigma P-2714) or complete protease inhibitor tablets (Roche 11836145).
3. Add salts, reducing agents, or chelating agents if needed.  
Tissue Extraction Reagent I with protease inhibitors is stable for 24 hours at 4°C.

## Perform tissue lysis

This protocol has been successfully used with several tissue types. Because conditions may vary, researchers must optimize the extraction procedures for their specific application.

1. Weigh tissue sample.
2. Add 10 mL of Tissue Extraction Reagent I per 1 g of tissue sample.
3. Homogenize tissue sample.
4. Centrifuge the homogenized sample at 10,000 rpm for 5 minutes to pellet tissue debris.
5. Collect the supernatant, and divide into aliquots. Store aliquots at -80°C. Avoid multiple freeze-thaws cycles.

## Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at [www.thermofisher.com/us/en/home/global/terms-and-conditions.html](http://www.thermofisher.com/us/en/home/global/terms-and-conditions.html). If you have any questions, please contact Life Technologies at [www.thermofisher.com/support](http://www.thermofisher.com/support).

## Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		



**Manufacturer:** Bender MedSystems GmbH | Campus Vienna Biocenter 2 | 1030 Vienna, Austria

The information in this guide is subject to change without notice.

**DISCLAIMER:** TO THE EXTENT ALLOWED BY LAW, LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING YOUR USE OF IT.

**Important Licensing Information:** This product may be covered by one or more Limited Use Label Licenses. By use of this product, you accept the terms and conditions of all applicable Limited Use Label Licenses.

©2017 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.