





Product Sheet

# Polyethylene Glycol (PEG) 4000 (ATCC® 52-X™)

Please read this **FIRST**

 Storage Temp.  
**At the ATCC, PEG-4000 is stored at 2°C to 8°C, but the reagent may be stored at room temperature.**

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 Biosafety Level  
**1**

## Description

### Product Description:

This reagent is used to assist fusion of myeloma and spleen cells to form hybridomas. PEG-4000 is packaged as 2 gram aliquots in amber vials that protect the product from light. PEG is undiluted and is a white solid.

**Volume:** 5 x 2 gram vials

## Directions for Use

Melt solid PEG in oven or water bath or on a hot plate. Cool molten PEG to about 50°C and mix with 3.0 mL of the prewarmed sterile medium of your choice (RPMI, DMEM, etc.). This results in a 40% w/v mixture. Cool to about 37°C. PEG is now ready to use. The concentration can be varied by the addition of more or less sterile medium.

### Quality Control Specifications

Each lot is tested for bacterial and fungal contamination. Cytotoxicity testing is performed on NS-1 cells at a 40% w/v concentration. Cells must remain greater than 80% viable after exposure to PEG.

## ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

## Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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