





Product Sheet

(ATCC® 30-2404™)

Please read this FIRST

 Storage Temp.  
**Store Erythrosin B stain solution at room temperature (15°C to 30°C).**

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 Biosafety Level  
**1**

## Description

**Product Description:** Erythrosin B (0.1% in Phosphate Buffered Saline) is a vital dye used to determine cell viability. Viable cells will actively exclude the dye, while nonviable cells (those whose plasma membrane is damaged) will take up the stain and appear red in color.

**Volume:** 40 ml

## Directions for Use

1. Prepare a suspension of cells at a concentration of approximately 5 to 10 x 10<sup>5</sup> per mL.
2. Combine 0.5 mL of this cell suspension with 0.5 mL of Erythrosin B stain solution (1:1 ratio) in a sterile test tube or vial and mix gently.
3. Load this solution to a clean, dry hemocytometer. The solution should pass under the cover glass of the hemocytometer by capillary action.
4. Count the cells under the microscope at 100X magnification. Dead cells will appear as light red while viable cells will be unstained. Record the total number of cells as well as those which do not stain (viable cells).
5. Cell viability is calculated as the number of unstained or viable cells divided by the total number of cells and expressed as a percentage.

### Quality Control Specifications

Lot specific results are available in the Certificate of Analysis, which is available at [www.atcc.org](http://www.atcc.org) or by contacting ATCC technical service.

### SPECIFICATION CERTIFICATE

Test	Specification
Sterility Testing (USP XXIV)	Sterile
Osmolality	280 to 340 mOsm/Kg H <sub>2</sub> O
pH	7.0 - 7.5
Spectral Determination	90 - 120 A 526 nm
Cell Line Viability	≥90% of control
Growth Promotion	Pass

## 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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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