ATCC

Product Sheet

LYI Entamoeba Medium (ATCC® PRA-2154™)

Please read this FIRST

Storage Temp.
2 to 8°C or colder

Biosafety Level
*

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Product Description: This medium is the recommended formulation for the axenic cultivation of *Entamoeba, Hypotrichomonas, Mastigamoeba, Pentatrichomonas, Tetratrichomonas, Trichomitus, Trichomonas,* and *Tritrichomonas*. It is provided freeze-dried, complete with 10% bovine serum, 1 vial prepares 15 mL of medium.

Directions for Use

1. Alcohol the crimped aluminum cap and remove it.
2. Alcohol the rubber stopper and allow to dry.
3. Aseptically remove the rubber stopper and aseptically add 15 mL of double glass distilled sterile water. Swirl to completely dissolve the freeze-dried medium.
4. Aseptically distribute 13 mL of the rehydrated medium to a sterile 16 x 125 mm screw-capped test tube.
5. Screw the cap on tightly and store at 2-8°C until ready to use. Use within 4 days.
6. When ready to use, equilibrate the tube at the appropriate growth temperature before inoculation with the protist.
7. Follow standard procedure for maintaining culture as specified in the product sheet for that protist.

Modified Medium Preparation: For Strains *of E. histolytica* requiring 15% heat-inactivated bovine serum (HIBS)

1. Follow steps 1-3 above.
2. Aseptically distribute 12.25 mL of the rehydrated medium to a sterile glass 16 x 125 mm screw-capped test tube.
3. Aseptically add 0.75 mL of HIBS, screw the cap on tightly, invert several times to evenly mix and store at 2-8°C until ready to use. Use within 4 days.When ready to inoculate with the protist place the tube at 35°C for 15 minutes.
4. Follow standard procedure for maintaining culture as specified in the product sheet for that protist.

Media Formulation

Neutralized Liver Digest, 5.0 g
Yeast Extract, 25.0 g
Glucose, 10.0 g
NaCl, 1.0 g
L-Cysteine HCl, 1.0 g
Ascorbic Acid, 0.2 g
K_2HPO_4, 1.0 g
KH_2PO_4, 0.6 g
Ferric Ammonium Citrate, 22.0 mg
Vitamin Mixture #18, 20.0 mL
Double Glass Distilled H_2O, 880.0 mL
Heat-inactivated Bovine Serum (HIBS), 100.0 mL

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.

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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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