ATCC

Product Sheet

Hybri-Care Medium (ATCC® 46-X™)

Please read this FIRST

Storage Temp.
Store medium at 2°C to 8°C in the dark when not in use.

Biosafety Level
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Description

Product Description:
This special medium is formulated to support the growth of hybridomas and fastidious cell lines. A combined buffering system of HEPES and added $NaHCO_3$ enables the medium to be used at all stages of hybridoma production from fusion to cloning, including single-cell subcloning. Each package contains dry powdered medium sufficient to produce one liter of 1X liquid medium. Net weight: 12 grams per package.
Volume: 1 Package (prepares 1L of medium)

Directions for Use

1. Measure out 5% less deionized, distilled water than the desired total volume of medium, using a mixing container that is as close to the final volume as possible.
2. Add powdered medium to 15°C to 30°C (room temperature) water with gentle stirring. (Do not heat water.)
3. Rinse out the inside of the package to remove all traces of powder.
4. When using a 10% CO_2 incubator, add 3.41 grams NaHCO3 per liter of medium. When using a 5% CO_2 incubator, add 1.5 grams $NaHCO_3$ per liter of medium.
5. Dilute to the desired volume with water. Stir until dissolved. (Do not over mix.)
6. Adjust the pH of the medium to 0.2-0.3 below the desired final working pH using 1N NaOH or 1N HCl. (Add slowly while stirring to prevent over or under shooting the desired pH.) A final pH of 7.0-7.4 is recommended. After the pH has been adjusted, keep the container closed until the medium is filtered. The pH will usually rise 0.1-0.3 units upon filtration.
7. Sterilize immediately by membrane filtration through a 0.22 micron filter.

For a complete list of components, visit the ATCC website at www.atcc.org.

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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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