Hybri-Care Medium

46-X™

Description

Hybri-Care Medium is formulated to support the growth of hybridomas and fastidious cell lines. A combined buffering system of HEPES and added NaHCO3 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.

Shipping information: 1 package (prepares 1L of medium)

Storage Conditions

Storage conditions: 2°C to 8°C

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

Biosafety Information

ATCC determined that a biosafety level is not applicable to this material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to complete your own risk assessment and understand any potential hazards associated with the material per your organization's policies and procedures and any other applicable regulations as enforced by your local or national

agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

1. Measure out 5% less tissue culture grade double or triple distilled water. Deionized water is unsuitable. For example, if preparing 1 L of Hybri-Care (ATCC46-X) start with 950 mL of tissue culture grade double or triple distilled water. At ATCC we use Cell Culture Grade Water, Corning Catalog No. 25-055-CV.
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 $NaHCO_3$ 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.

Quality Control Specifications

Mycoplasma contamination: Not detected

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Hybri-Care Medium (ATCC 46-X)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

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