



Product Sheet

lambda EMBL12 (ATCC®) 37485™

Please read this FIRST



Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: lambda EMBL12 (ATCC® 37485™)

Shipping Information

Shipped: Freeze dried bacteria-free phage lysate.

Titering:

1. Make fresh plating bacteria. Grow *E. coli* host strain overnight or at least to $A_{600} = 0.4$ in medium containing 0.2% maltose (to give higher titers).
2. Spin down cells in a low speed centrifuge. Resuspend in 0.4 volumes 10 mM $MgSO_4$ or SM buffer. Store at 4°C.
3. Dilute phage in 10 mM $MgSO_4$ or SM buffer. Mix gently because vigorous mixing reduces the titer.
4. Add 100 ul phage dilution to 100 ul prepared plating bacteria and mix gently. Incubate in a 37°C water bath for 20 minutes to allow phage to adsorb.
5. Add 3 ml LB lambda top agar (see below) containing 0.2% maltose and mix gently. Pour onto plates. Incubate overnight at 37°C. Fresh plates give larger plaques.

Storage:

Libraries can be frozen in liquid nitrogen with no significant loss in titer, even after repeated freeze-thaw cycles. The libraries on dry ice can be stored at 4°C or can be kept frozen at -70 °C or in liquid nitrogen. Always freeze by plunging into liquid nitrogen.

American Type Culture Collection
13150 Research Blvd
Manassas, VA 20108 USA

10 g
10 g

5 g

100 g

Sterilize at 121°C for 15 minutes. Cool to approximately 50°C and add the following sterile solutions.

Obtain your local distributor

Description

Designation: lambda EMBL12

Vector Information

Size (kb): 43.2000007629394500

Vector: lambda EMBL12 (phage, lambda - replacement)

Construction: lambda EMBL3 pUC12

Construct size (kb): 43.20000076293945

Features: insert detection: Spi+

replicon: lambda

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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.

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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

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

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