



## Product Sheet

# MTKP 97-12 (ATCC® CRL-8985™)

### 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.

### Complete Growth Medium

Dulbecco's modified Eagle's medium, 85%; fetal bovine serum, 15%

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: MTKP 97-12 (ATCC® CRL-8985™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
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Or contact your local distributor

### Description

**Organism:** *Mus musculus*, mouse  
**Strain:** C3H/An  
**Cell Type:** Melanoma  
**Age:** 100 days  
**Gender:** male  
**Morphology:** fibroblast  
**Growth Properties:** adherent

### Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

### SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

### Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below  $-130^{\circ}\text{C}$ , preferably in liquid nitrogen vapor, until ready for use.

### Subculturing Procedure

#### Medium Renewal:

Twice per week  
Remove old medium, add fresh 0.25% trypsin, EDTA (0.02%) solution, rinse and remove. Allow cells to sit at room temperature (or at  $37^{\circ}\text{C}$ ) until cells detach (approximately 10 minutes). Add fresh medium, aspirate and dispense into new flasks.

### Comments

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--1.3, 2.6; HindIII--2.7; PvuII--0.6, 1.6; SstI--0.4, 1.7, 2.3; SalI--1.3.

The MTKP 97-12 cell line was produced by transfecting LMTK- cells with the expression plasmid pMTp97b that contains a cDNA sequence coding for the p97 melanoma associated antigen.

The cells produce approximately 4,000,000 molecules of p97 per cell under the control of the mouse metallothionein promoter.

A metallothionein promoter has been added upstream of the cDNA sequence. Expression can be induced by treating with 80  $\mu\text{M}$  ZnCl and 9  $\mu\text{M}$  CdCl for 24 hrs.

Digestion with EcoRI and HindIII excises the insert in two fragments. The larger fragment contains the complete coding sequence, that extends approximately from nt 60 to nt 2300.

### References

References and other information relating to this product are available online at [www.atcc.org](http://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



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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.

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### 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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