



Product Sheet

# *Klebsiella pneumoniae* (ATCC® BAA-2473™)

Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**2**

## 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: *Klebsiella pneumoniae* (ATCC® BAA-2473™)

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  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Designation:** 1100770  
**Deposited Name:** *Klebsiella pneumoniae*  
**Product Description:** NDM-1 Reference Strain

## Propagation

**Medium**  
ATCC® Medium 18: Trypticase Soy Agar/Broth  
ATCC® Medium 2901: Nutrient Medium + 25ug/ml Imipenem

**Growth Conditions**  
**Temperature:** 37°C  
**Atmosphere:** Atmosphere

- Propagation Procedure**
1. Open vial according to enclosed instructions.
  2. Using a single tube of #18 broth, withdraw approximately 0.5 - 1 mL with a pipette. Rehydrate the entire pellet.
  3. Aseptically transfer this aliquot back into the broth tube. Mix well.
  4. Use several drops of this suspension to inoculate a #18 agar plate or slant.
  5. Incubate the tubes and plate at 37°C for 24 hours.
  6. Once growth occurs, use several colonies to inoculate a plate of #2901 agar. Only colonies carrying the NDM plasmid will grow, so pick several colonies for the transfer.
  7. Incubate the plate at 37°C for 24 hours.
  8. Once the culture has recovered, all future growth should be on #2901 agar or broth to prevent loss of the NDM plasmid.

## Notes

Two colony morphologies are possible on #18 agar. 1. Circular, entire, smooth, glistening, convex, and opaque. 2. Circular, entire, smooth, glistening, low convex, and translucent. This strain is beta-lactamase positive.

*bla<sub>KPC</sub>* negative by PCR.

*bla<sub>NDM</sub>* positive by PCR.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## References

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

## Biosafety Level: 2

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.

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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,



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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](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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