



Product Sheet

## pQL1 (ATCC® 51731™)

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: pQL1 (ATCC® 51731™)

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: pQL1

### Propagation

#### Growth Conditions

Temperature: 37.0°C

Protocol: 5% CO<sub>2</sub>

#### Medium

ATCC® Medium 814: GC Agar/Broth Medium

### Vector Information

Size (kb): 8.000000000000000

Vector: pQL1 (plasmid)

Construction: pACYC184, pKK232-8, kanR

Marker(s): ampR, cmlR, kanR, rbR

Construct size (kb): 8.0

Features: marker(s): ampR

marker(s): cmlR

marker(s): kanR (neoR, rbR)

other: Haemophilus-specific uptake sequence

replicon: p15A

replicon: pMB1

MCS: EcoRI...HindIII

stop codons: 3 reading frames

transcription terminator: T1

transcription terminator: T1 T2

### 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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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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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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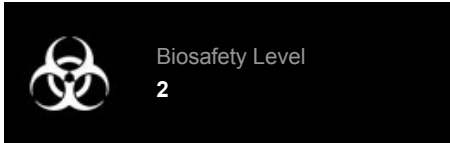
Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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