



Product Sheet

## *Desulfuromonas*

### *acetexigens* (ATCC®)

51529™)

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: *Desulfuromonas acetexigens* (ATCC® 51529™)

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:** DSM 1397 [2873]

**Deposited Name:** *Desulfuromonas acetexigens* Finster et al.

#### Propagation

##### Medium

ATCC® Medium 1927: *Desulfuromonas acetoxidans* medium (DSM 148)

##### Growth Conditions

**Temperature:** 30°C

**Atmosphere:** Anaerobic

##### Propagation Procedure

1. Thaw contents of the vial under a gentle stream of oxygen-free gas.
2. Under anaerobic conditions, transfer the entire contents of the vial to a tube of the recommended broth.
3. Use several drops of the cell suspension to inoculate additional media. An aerobic blood plate may also be streaked to check for purity.
4. Incubate tubes and plate under anaerobic conditions at 30°C. Incubate blood plate aerobically at 30°C.
5. Within 48 to 72 hours, growth should be evident by turbidity in the broth. No growth should occur on the blood agar plate incubated aerobically.

##### ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

1. Use of an anaerobic gas chamber, or
2. Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

1. Loose screw caps on test tubes in anaerobic chamber,
2. Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
3. Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

#### Notes

This strain may grow in ATCC Medium #1249 and/or #1250 Modified Baar's Medium with and/or without 2.5% NaCl, but growth will be poor.

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions.

Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

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: 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.

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#### Disclaimers



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*acetexigens* (ATCC®  
51529™)**

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.

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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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