ATCC

Product Sheet

Monocercomonas sp. (ATCC® 50210™)

Please read this FIRST

Biosafety Level
1

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: *Monocercomonas sp.* (ATCC® 50210™)

Description

Strain Designation: Ns-1PRR
Deposited Name: *Monocercomonas* sp.
Depositor: LS Diamond
Isolation:
water snake, Natrix sipedon, Laurel, MD, 1959

Propagation

Growth Conditions
Temperature: 25.0°C
Duration: axenic; anaerobic

Medium
LYI Entamoeba medium Casein Digest (BBL 97023)*, 20.0 g Yeast Extract (BBL 11928)*, 10.0 g NaCl, 2.0 g L-Cysteine . HCl (Sigma C7880), 1.0 g Ascorbic Acid (J.T. Baker B582-5), 0.2 g Ferric Ammonium Citrate (Mallinckrodt 0658), 22.8 mg Distilled water, 770.0 ml Adjust pH to 6.8 with NaOH. Autoclave at 121C for 15 minutes. Cool to room temperature and aseptically add the following solutions: Solution A: Dextrose, 10.0 g Distilled water, 50.0 ml Filter-sterilize. Solution B: K2HPO4, 1.0 g KH2PO4, 0.6 g Distilled water, 50.0 ml Autoclave at 121C for 15 minutes. Solution C: Bovine serum (heat-inactivated), 100.0 ml Solution D: Special 107 Vitamin Mix (see below), 30.0 ml Special 107 Vitamin Mix: Aseptically combine the following: Solution 1 (see below), 0.4 ml Solution 2 (see below), 1.2 ml Solution 3 (see below), 0.4 ml Sterile distilled water, 18.0 ml Solution 4 Vitamins (see below), 100.0 ml Total volume of complete Special 107 Vitamin Mix is 120 ml. Solution 1 (filter-sterilized): D,L-6,8-Thioctic acid, oxidized (Sigma T1395), 100.0 mg Absolute Ethanol, 100.0 ml Solution 2 (filter-sterilized): Vitamin B12 (Sigma V2876), 40.0 mg Distilled water, 100.0 ml Solution 3 (filter-sterilized): Tween 80 (Sigma P1754), 50.0 g Absolute Ethanol, 100.0 ml Solution 4 Vitamins: alpha Tocopherol phosphate, disodium salt, 0.025 mg d-Biotin, 0.025 mg Calciferol (Vitamin D2), 0.250 mg Calcium D-(+)-pantothenate, 0.025 mg Choline chloride, 1.250 mg Folic acid, 0.025 mg i-Inositol, 0.125 mg Menadione (Vitamin K3), 0.025 mg Niacin, 0.0625 mg Niacinamide, 0.0625 mg p-Aminobenzoic acid, 0.125 mg Pyridoxal . HCl, 0.0625 mg Pyridoxine . HCl, 0.0625 mg Riboflavin, 0.025 mg Thiamine . HCl, 0.025 mg Vitamin A (crystallized alcohol), 0.250 mg Vitamin B12, 10.000 mg Distilled water, 1.0 L *Some lots of Casein Digest, Yeast Extract, or serum may inhibit growth.7071 LYI Entamoeba medium Casein Digest (BBL 97023)*, 20.0 g Yeast Extract (BBL 11928)*, 10.0 g NaCl, 2.0 g L-Cysteine . HCl (Sigma C7880), 1.0 g Ascorbic Acid (J.T. Baker B582-5), 0.2 g Ferric Ammonium Citrate (Mallinckrodt 0658), 22.8 mg Distilled water, 770.0 ml Adjust pH to 6.8 with NaOH. Autoclave at 121C for 15 minutes. Cool to room temperature and aseptically add the following solutions: Solution A: Dextrose, 10.0 g Distilled water, 50.0 ml Filter-sterilize. Solution B: K2HPO4, 1.0 g KH2PO4, 0.6 g Distilled water, 50.0 ml Autoclave at 121C for 15 minutes. Solution C: Bovine serum (heat-inactivated), 100.0 ml Solution D: Special 107 Vitamin Mix (see below), 30.0 ml Special 107 Vitamin Mix: Aseptically combine the following: Solution 1 (see below), 0.4 ml Solution 2 (see below), 1.2 ml Solution 3 (see below), 0.4 ml Sterile distilled water, 18.0 ml Solution 4 Vitamins (see below), 100.0 ml Total volume of complete Special 107 Vitamin Mix is 120 ml. Solution 1 (filter-sterilized): D,L-6,8-Thioctic acid, oxidized (Sigma T1395), 100.0 mg Absolute Ethanol, 100.0 ml Solution 2 (filter-sterilized): Vitamin B12 (Sigma V2876), 40.0 mg Distilled water, 100.0 ml Solution 3 (filter-sterilized): Tween 80 (Sigma P1754), 50.0 g Absolute Ethanol, 100.0 ml Solution 4 Vitamins: alpha Tocopherol phosphate, disodium salt, 0.025 mg d-Biotin, 0.025 mg Calciferol (Vitamin D2), 0.250 mg Calcium D-(+)-pantothenate, 0.025 mg Choline chloride, 1.250 mg Folic acid, 0.025 mg i-Inositol, 0.125 mg Menadione (Vitamin K3), 0.025 mg Niacin, 0.0625 mg Niacinamide, 0.0625 mg p-Aminobenzoic acid, 0.125 mg Pyridoxal . HCl, 0.0625 mg Pyridoxine . HCl, 0.0625 mg Riboflavin, 0.025 mg Thiamine . HCl, 0.025 mg Vitamin A (crystallized alcohol), 0.250 mg Vitamin B12, 10.000 mg Distilled water, 1.0 L *Some lots of Casein Digest, Yeast Extract, or serum may inhibit growth.

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.

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

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