

## ATCC MD-2623: *Acidicaldus* Medium

**REAGENTS:** (Composition per 1000 mL)

		Agar	Broth
N/A <input type="checkbox"/> <b>ATCC MD-2623</b>			
Magnesium Sulfate Heptahydrate	0.45 g	0 g	0 g
Ammonium Sulfate	0.045 g	0 g	0 g
Potassium Chloride	0.045 g	0 g	0 g
Monopotassium Phosphate	0.045 g	0 g	0 g
Calcium Nitrate Tetrahydrate	14 mg	0 mg	0 mg
Yeast Extract Solution	10 mL	0 mL	0 mL
Agar (if required)	15 g	0 g	N/A g
DI Water (bring up to)	990 mL	0 mL	0 mL

### Medium Additive

1M Glucose Solution	10 mL	0 mL	0 mL
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		Agar	Broth
N/A <input type="checkbox"/> <b>1M Glucose Solution</b>			
Glucose	1.8 g	0 g	0 g
DI Water	10 mL	0 mL	0 mL

### PROCEDURE:

#### Steps

#### Check

#### N/A To make ATCC Medium 2623:

Measure-out the basal medium components accurately	<input type="checkbox"/>
Dissolve the components completely in DI water and bring to volume	<input type="checkbox"/>
Autoclave the mixture at 121°C for 15 minutes	<input type="checkbox"/>
Add the filter-sterilized medium additive into the basal medium aseptically	<input type="checkbox"/>
Adjust the final medium pH to 3.00 ± 0.2	<input type="checkbox"/>
Dispense the medium as required	<input type="checkbox"/>

#### N/A To make the 1M Glucose Solution:

Measure-out the solution component accurately	<input type="checkbox"/>
Dissolve the component completely in DI water	<input type="checkbox"/>
Filter-sterilize the solution	<input type="checkbox"/>

### APPLICATION:

For the cultivation and maintenance of *Acidicaldus organivorans*.