

## 63: DESULFOVIBRIO (POSTGATE) MEDIUM

This recipe contains strain-specific modifications for *Desulfovibrio diazotrophica* DSM 109475 \*

Final pH: \* 6.0 - 6.5

Final volume: 1000 ml

<b>Solution A</b>	980.00	ml
<b>Solution B</b>	10.00	ml
<b>Solution C</b>	10.00	ml

Dissolve ingredients of solution A, bring to the boil, then cool to room temperature while sparging with 100% N<sub>2</sub> gas. Add solutions B and C, adjust pH to 7.8 with NaOH, and distribute under 100% N<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes. During distribution continuously swirl the medium to keep the grey precipitate suspended. Autoclave 15 min at 121 °C. Adjust pH of the complete medium to 6.8 - 7.0, if necessary.

\* Adjust pH of complete medium to 6.0-6.5.

### Solution A

K <sub>2</sub> HPO <sub>4</sub>	0.50	g
NH <sub>4</sub> Cl	1.00	g
Na <sub>2</sub> SO <sub>4</sub>	1.00	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.10	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	2.00	g
Na-DL-lactate	2.00	g
Yeast extract	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Distilled water	980.00	ml

### Solution B

FeSO <sub>4</sub> x 7 H <sub>2</sub> O	0.50	g
Distilled water	10.00	ml

### Solution C

Na-thioglycolate	0.10	g
Ascorbic acid	0.10	g
Distilled water	10.00	ml