26: ACID RHODOSPIRILLACEAE MEDIUM

This recipe contains strain-specific modifications for *Rhodomicrobium vannielii* DSM 162 *

Final pH: 5.7
Final volume: 1000 ml

Yeast extract	0.20	g
Disodium succinate	1.00	g
Ammonium acetate	0.50	g
Fe(III) citrate (0.1% in H_2O)	5.00	ml
KH_2PO_4	0.50	g
$MgSO_4$ x 7 H_2O	0.40	g
NaCl	0.40	g
NH_4Cl	0.40	g
$CaCl_2$ x 2 H_2O	0.05	g
Vitamin B_{12} (10 mg in 100 ml H_2O)	0.40	ml
Trace element solution SL-6	1.00	ml
L-Cysteine HCl	0.30	g
Resazurin (0,1%)	0.50	ml
Distilled water	1000.00	ml

1. Adjust pH to 5.7.
2. Boil the medium for a few minute.
3. Sparge medium with 100% N_2 gas mixture to make it anoxic.
4. Fill 10 ml in 15 ml tubes with a rubber septum under a stream of nitrogen gas.
5. Autoclave at 121 °C for 20 min.
6. Sterile syringes are used to inoculate and remove samples.
7. Incubate in the light using a tungsten lamp.

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Trace element solution SL-6 (from medium 27)

$ZnSO_4$ x 7 H_2O	0.10	g
$MnCl_2$ x 4 H_2O	0.03	g
H_3BO_3	0.30	g
$CoCl_2$ x 6 H_2O	0.20	g
$CuCl_2$ x 2 H_2O	0.01	g
$NiCl_2$ x 6 H_2O	0.02	g
Na_2MoO_4 x 2 H_2O	0.03	g
Distilled water	1000.00	ml

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