

471. ALCALIGENES XYLOSOXYDANS MEDIUM WITH BENZOATE**Solution A:**

K ₂ HPO ₄	5.12	g
KH ₂ PO ₄	1.50	g
Distilled water	500.00	ml

Adjust pH to 9.0 with KOH.

Solution B:

NH ₄ Cl	0.30	g
CaCl ₂	0.01	g
MgSO ₄ x 7 H ₂ O	0.20	g
KNO ₃	2.00	g
Na-benzoate	0.92	g
Distilled water	500.00	ml

Solution C:

Trace element solution SL-4	2.00	ml
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Autoclave solutions A, B and C separately, combine, adjust pH to 8.2.

Trace element solution SL-4:

EDTA	0.50	g
FeSO ₄ x 7 H ₂ O	0.20	g
Trace element solution SL-6	100.00	ml
Distilled water	900.00	ml

First dissolve EDTA in distilled water by adjusting the pH to 7.0 - 8.0 using a 2 M solution of NaOH; then add ferrous sulfate and the trace element solution SL-6.

Trace element solution SL-6:

ZnSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.03	g
H ₃ BO ₃	0.30	g
CoCl ₂ x 6 H ₂ O	0.20	g
CuCl ₂ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.02	g
Na ₂ MoO ₄ x 2 H ₂ O	0.03	g
Distilled water	1000.00	ml