

830: R2A MEDIUM

This recipe contains strain-specific modifications for *Thauera aminoaromatica* DSM 25461 *

Final pH: 7.2

Final volume: 1000 ml

Yeast extract	0.50	g
Proteose peptone (Difco no. 3)	0.50	g
Casamino acids	0.50	g
Glucose	0.50	g
Starch (soluble)	0.50	g
Na-pyruvate	0.30	g
K ₂ HPO ₄	0.30	g
MgSO ₄ x 7 H ₂ O	0.05	g
Agar	15.00	g
Vitamin solution	5.00	ml
Distilled water	1000.00	ml

Final pH 7.2; adjust with crystalline K₂HPO₄ or KH₂PO₄ before adding agar. Add agar, heat medium to boiling to dissolve agar, and autoclave for 15 min at 121°C.

* With 5 ml vitamin solution, see e.g. medium 461

Vitamin solution* (from medium 461)

Vitamin B ₁₂	50.00	mg
Pantothenic acid	50.00	mg
Riboflavin	50.00	mg
Pyridoxamine hydrochloride	10.00	mg
Biotin	20.00	mg
Folic acid	20.00	mg
Nicotinic acid	25.00	mg
Nicotine amide	25.00	mg
alpha-lipoic acid	50.00	mg
p-Aminobenzoic acid	50.00	mg
Thiamine-HCl x 2 H ₂ O	50.00	mg
Distilled water	1000.00	ml

Stir for some hours, filter sterilize the solution.