

621: PYGV AGAR

This recipe contains strain-specific modifications for *Motilibacter peucedani* DSM 45328 *

Final pH: 7.5

Final volume: 1000 ml

Mineral salt solution ("Hutner/Cohen-Bazire")	20.00	ml
Peptone (Bacto)	2.00	g
Yeast extract (Bacto)	2.00	g
Agar (Bacto)	15.00	g
Distilled water	895.00	ml

1. Sterilize 20 min./121°C. After cooling to 60°C add to the medium:

Glucose (2.5%, sterile-filtered)	80.00	ml
Vitamin solution (double conc.)	5.00	ml

2. Adjust pH to 7.5 (the medium is only weakly buffered; one needs approx. 10 drops/medium of 6 N KOH).

* 8x (8 times the amount of peptone, yeast and glucose)

Mineral salt solution (from medium 621)

Nitrilotriacetic acid (NTA)	10.00	g
MgSO ₄ x 7 H ₂ O	29.70	g
CaCl ₂ x 2 H ₂ O	3.34	g
Na ₂ MoO ₄ x 2 H ₂ O	12.67	mg
FeSO ₄ x 7 H ₂ O	99.00	mg
Metall salt sol. 44 (see medium 590)	50.00	ml
Distilled water	900.00	ml

Dissolve NTA first by neutralizing with KOH, then add other salts. Adjust pH to 7.2 with KOH or H₂SO₄. Adjust volume to 1000.0 ml with distilled water.

Vitamin solution (double conc.) (from medium 621)

Biotin	4.00	mg
Folic acid	4.00	mg
Pyridoxine hydrochloride	20.00	mg
Riboflavine	10.00	mg
Thiamine-HCl x 2 H ₂ O	10.00	mg
Nicotinamide	10.00	mg
D-Calcium pantothenate	10.00	mg
Vitamin B ₁₂	0.20	mg



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p-Aminobenzoic acid

10.00

mg

~~Distilled water~~

~~1000.00~~

~~ml~~

Store in the dark and cold (5°C).