

621: PYGV AGAR

This recipe contains strain-specific modifications for *Lacunisphaera parvula* DSM 26814 *

Final pH: * 7.5

Final volume: 1000 ml

Mineral salt solution ("Hutner/Cohen-Bazire")	20.00	ml
Peptone (Bacto)	0.25	g
Yeast extract (Bacto)	0.25	g
Agar (Bacto)	15.00	g
Distilled water	965.00	ml

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

Glucose (2.5%, sterile-filtered)	10.00	ml
Vitamin solution (double conc.)	5.00	ml
HEPES	10.00	mM

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

* Add 10 mM HEPES, pH 7.5

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



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Vitamin B ₁₂	0.20	mg
p-Aminobenzoic acid	10.00	mg
Distilled water	1000.00	ml

Store in the dark and cold (5°C).