

## 621: PYGV AGAR

This recipe contains strain-specific modifications for *Geodermatophilus sp.* DSM 44400 \*

Final pH: 7.5

Final volume: 1000 ml

<b>Mineral salt solution ("Hutner/Cohen-Bazire")</b>	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
<b>Vitamin solution (double conc.)</b>	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 <sub>4</sub> x 7 H <sub>2</sub> O	29.70	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	3.34	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	12.67	mg
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	99.00	mg
Metall salt sol. 44 (see medium 590)	50.00	ml
<del>Distilled water</del>	<del>900.00</del>	<del>ml</del>

Dissolve NTA first by neutralizing with KOH, then add other salts. Adjust pH to 7.2 with KOH or H<sub>2</sub>SO<sub>4</sub>. 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 <sub>2</sub> O	10.00	mg
Nicotinamide	10.00	mg
D-Calcium pantothenate	10.00	mg
Vitamin B <sub>12</sub>	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).