

621: PYGV AGAR

This recipe contains strain-specific modifications for *Klenkia taihuensis* DSM 45962 *

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).