

402: ALICYCLOBACILLUS MEDIUM

This recipe contains strain-specific modifications for *Alicyclobacillus acidocaldarius* subsp. *acidocaldarius* DSM 452 *

Final pH: * 3.0 - 4.0

Final volume: 1000 ml

Solution A	1000.00	ml
Solution B	1.00	ml
Solution C	500.00	ml

Sterilize separately. For liquid medium combine solution A (with 1000.0 ml distilled water) and solution B. For solid medium combine solution A (with 500 ml distilled water), solution B and solution C. For strains of *A. cycloheptanicus* add 5 g/l of yeast extract instead of 2 g/l.

* Adjust pH of final medium to 3.0 - 4.0.

Solution A

CaCl ₂ x 2 H ₂ O	0.25	g
MgSO ₄ x 7 H ₂ O	0.50	g
(NH ₄) ₂ SO ₄	0.20	g
Yeast extract	2.00	g
Glucose	5.00	g
KH ₂ PO ₄	3.00	g
Distilled water (for liquid medium)	1000.00	ml
Distilled water (for solid medium)	500.00	ml

Adjust pH to 4.0

Solution B

Trace element solution SL-6	1.00	ml
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Solution C

Agar	15.00	g
Distilled water	500.00	ml

Trace element solution SL-6 (from medium 27)

ZnSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.03	g
H ₃ BO ₃	0.30	g

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$\text{CoCl}_2 \times 6 \text{ H}_2\text{O}$	0.20	g
$\text{CuCl}_2 \times 2 \text{ H}_2\text{O}$	0.01	g
$\text{NiCl}_2 \times 6 \text{ H}_2\text{O}$	0.02	g
$\text{Na}_2\text{MoO}_4 \times 2 \text{ H}_2\text{O}$	0.03	g
Distilled water	1000.00	ml