

591: HALOBACTEROIDES/HALOINCOLA MEDIUM

This recipe contains strain-specific modifications for *Halanaerobacter lacunarum* DSM 6640 *

Final pH: * 7.5

Final volume: 1000 ml

NH ₄ Cl	0.33	g
CaCl ₂	0.33	g
MgCl ₂	0.33	g
KCl	0.33	g
KH ₂ PO ₄	0.33	g
NaCl, adjust if required in range 100-150	150.00	g/l
NaHCO ₃	1.50	g
Na ₂ S x 9 H ₂ O	0.50	g
Glucose	5.00	g
Peptone (Bacto-Proteose Peptone No.3)	5.00	g
Trace element solution SL-10 (SL 10)	1.00	ml
Wolin's vitamin solution	10.00	ml
Resazurin	2.00	mg
Yeast extract	0.50	g/l
Distilled water	990.00	ml

Prepare the medium without NaHCO₃, Na₂S, glucose and vitamins, boil and cool under a nitrogen:carbon dioxide (80:20 v/v) atmosphere. Glucose (filter-sterilized and stored under nitrogen), vitamins (filter sterilized and stored under nitrogen), and sodium sulphide (autoclaved under nitrogen) are added from sterile stock solutions. The pH should be pH 7.5.

* Use 150 g/l NaCl, replace the peptone with 0.5 g/l yeast extract (Difco) and adjust the pH to 7.5.

Trace element solution SL-10 (from medium 320)

HCl (25%)	10.00	ml
FeCl ₂ x 4 H ₂ O	1.50	g
ZnCl ₂	70.00	mg
MnCl ₂ x 4 H ₂ O	100.00	mg
H ₃ BO ₃	6.00	mg
CoCl ₂ x 6 H ₂ O	190.00	mg
CuCl ₂ x 2 H ₂ O	2.00	mg
NiCl ₂ x 6 H ₂ O	24.00	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.00	mg
Distilled water	990.00	ml

591: HALOBACTEROIDES/HALOINCOLA MEDIUM

First dissolve FeCl_2 in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.00 ml.

Wolin's vitamin solution (from medium 141)

Biotin	2.00	mg
Folic acid	2.00	mg
Pyridoxine hydrochloride	10.00	mg
Thiamine HCl	5.00	mg
Riboflavin	5.00	mg
Nicotinic acid	5.00	mg
Calcium D-(+)-pantothenate	5.00	mg
Vitamin B ₁₂	0.10	mg
p-Aminobenzoic acid	5.00	mg
(DL)-alpha-Lipoic acid	5.00	mg
Distilled water	1000.00	ml