

927. HALORHABDUS UTAHENSIS MEDIUM

NaCl	270.0	g
NaBr	0.1	g
MgSO ₄ x 7 H ₂ O	20.0	g
KCl	5.0	g
NH ₄ Cl	2.0	g
Tris-HCl	12.0	g
Yeast extract (Difco)	1.0	g
Glucose	2.0	g
Distilled water	1000.0	ml

Prepare and sterilise separately:

KH ₂ PO ₄	50.0	g
Distilled water	1000.0	ml
CaCl ₂ x 6 H ₂ O	100.0	g
Distilled water	1000.0	ml
FeCl ₂ x 4 H ₂ O	20.0	g
MnCl ₂ x 4 H ₂ O	20.0	g
Distilled water	1000.0	ml

Prepare the medium, and adjust the pH to 7.6 with 5M NaOH.

Autoclave and when the medium has cooled add 2.5 ml of the phosphate solution, 0.5 ml of the calcium chloride solution, and 0.25 ml of the Fe/Mn solution. This strain will not grow in normal media for halobacteria, such as DSM medium 372!

For **DSM 27208** add 2ml/l trace elements SL-7

Trace element solution SL-7:

HCl (25%)	6.5	ml
FeCl ₂ x 7 H ₂ O	1.5	g
ZnCl ₂	70.0	mg
MnCl ₂ x 4 H ₂ O	100.0	mg
H ₃ BO ₃	62.0	mg
CoCl ₂ x 6 H ₂ O	190.0	mg
CuCl ₂ x 2 H ₂ O	17.0	mg
NiCl ₂ x 6 H ₂ O	24.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.0	mg
Distilled water	1000.0	ml