Sueoka's High Salt Medium

Steven Burgess

Abstract

Sueoka's High Salt Medium is used for photoautotrophic growth of the green alga *Chlamydomonas reinhardtii*. The medium is also known as HS or HSM.

Source:

Sueoka, N. (1960) *Proc. Natl. Acad. Sci. USA* **46**, 83-91.

http://www.chlamycollection.org/Sueoka.html

Citation: Steven Burgess Sueoka's High Salt Medium. **protocols.io** dx.doi.org/10.17504/protocols.io.fdebi3e
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Protocol

Step 1.

Salt Solution

AMOUNT
5 ml Additional info:

PROTOCOL

. Beijerinck's Solution

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Step 1.1.

NH_4Cl

AMOUNT
100 g Additional info:
Step 1.2.

$CaCl_2 . 2H_2O$

AMOUNT
2 g Additional info:

Step 1.3.

$MgSO_4 . 7H_2O$

AMOUNT
4 g Additional info:

Step 1.4.

Distilled H_2O

Step 2.

Phosphate solution

AMOUNT
5 ml Additional info:

PROTOCOL

. Phosphate solution

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Step 2.1.

Potassium hydrogen phosphate

K_2HPO_4

AMOUNT
29 g Additional info:

Step 2.2.

Potassium dihydrogen phosphate

KH_2PO_4

AMOUNT
14 g Additional info:

Step 3.

Hutner's Trace Elements

AMOUNT
1 ml Additional info:

Step 4.

Distilled H_2O

NOTES
Steven Burgess 21 Jul 2016

For solid medium, add 15 g agar per liter.