JAN 23, 2019

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.xd8fi9w

External link:
https://en.wikipedia.org/wiki/Murashige_and_Skoog_medium

Protocol Citation: Steven J Burgess 2019. Murashige and Skoog (MS) agar. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.xd8fi9w>

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Protocol status: Working
 We use this protocol and it's working

Created: Jan 23, 2019

Last Modified: Jan 23, 2019

PROTOCOL integer ID:
 19616

Murashige and Skoog (MS) agar

Forked from [Murashige and Skoog \(MS\) medium](#)

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ABSTRACT

Murashige and Skoog medium (or **MSO** or **MS0** (*MS-zero*)) is a [plant growth medium](#) used in the laboratories for cultivation of plant [cell culture](#). MSO was invented by plant scientists [Toshio Murashige](#) and [Folke K. Skoog](#) in 1962 during Murashige's search for a new [plant growth regulator](#). A number behind the letters MS is used to indicate the sucrose concentration of the medium. For example, MS0 contains no sucrose and MS20 contains 20 g/l sucrose. Along with its modifications, it is the most commonly used medium in [plant tissue culture](#) experiments in laboratory.^[1]

Source:

http://cshprotocols.cshlp.org/content/2010/2/pdb.rec12142.full?text_only=true

GUIDELINES

Derivatives of MS medium can be made through the addition of sucrose, both 1% (w/v) and 2% (w/v) are commonly used.

- 1 Add Murashige and Skoog Basal Salt medium to a 1L flask 4.33 g
- 2 Add dH₂O 800 mL
- 3 Adjust the pH to 5.7 using 2 N Potassium hydroxide KOH
- 4 Add dH₂O up to 1L
- 5 Add 7 g of Bacto Agar to flask and autoclave