Murashige and Skoog Basal Salt Mixture (MS)

Cat. No. *CUL-512*

Lot. No. (See product label)

Product Name

Murashige and Skoog Basal Salt Mixture (MS)

Product Overview

Murashige and Skoog medium can be reconstituted from powder or by combining products that are major components of complete M&S medium, such as macronutrient mixtures and vitamin mixtures. Murashige and Skoog Salt mixture contains the macronutrients and micronutrients of the original classic formulation. It can be combined with M&S vitamins or Gamborg's vitamins and supplemented with sucrose, agar, auxins (IAA) and cytokinins (Kinetin) to generate a complete medium for growth plant tissue culture. This product is plant cell culture tested.

Description

Murashige and Skoog medium is a widely used plant tissue culture growth medium. M&S Basal Medium contains macronutrients that include high levels of nitrate and organic additives such as agar, sugars, vitamins and growth regulators. Important growth regulators frequently added to M&S include IAA (auxin/morphogen) and the Kinetin (cytokinin/cell division promoter).

Form

Powder

Notes

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Storage

Powdered media are extremely hygroscopic and must be protected from atmospheric moisture. If possible the entire contents of each package should be used immediately after opening. Store dry medium in a desiccator at 0-5 °C. Deterioration of powdered medium may be recognized by: 1) color change; 2) granulation, clumping, or particulate matter throughout the powder; 3) insolubility; 4) pH change; or 5) inability to promote growth when properly used.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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