



## Product Information Sheet

**M5631**  
**Deconstructed MS Group I**  
**(NH<sub>4</sub>NO<sub>3</sub>)**  
**100x Murashige & Skoog (MS)**

### Properties

Form:	Liquid
Appearance:	Colorless, Clear Liquid
Application:	Plant Tissue Culture
Solubility:	Miscible with Water
Typical Working Concentration:	10 mL/L
Storage Temp:	2-6°C
Other Notes:	Contains the nitrogen components as described by Murashige and Skoog (1962). pH = 4.5-6.5

### Formula (mg/L)

Ammonium Nitrate	165,000
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### Application Notes

Plant Tissue Culture Tested

This product contains only nitrogen macronutrients, other nutrients supplied via M5632, M5633, M5634, and M5635.

### References

Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 473-497.

Reed BM, Wada S, DeNoma J, Niedz RP (2013) Mineral nutrition influences physiological responses of pear *in vitro*. *In Vitro Cell.Dev.Biol.-Plant.* DOI 10.1007/s11627-013-9556-2