

NUTRIENT MEDIUM FOR HAWTHORN (*CRATAEGUS CHLOROSARCA* MAXIM) RHIZOGENESIS INDUCTION



Hawthorn (*Crataegus chlorosarka* Max.)
rhizogenesis

Areas of Application

This nutrient medium is used for direct regeneration of *in vitro* rhizogenesis of *Crataegus* L. genus plants and provides wide opportunities to preserve the plant's gene pool. It enables the creation of original breeding material and rapid propagation of plants in ornamental horticulture, fruit growing, and breeding

Specification

The nutrient medium has been created using the Murashige-Skoog basic culture medium in author's own modification. It has a lesser content of macro- and micro-salts and nitrogen-containing substances and has been complemented with vitamins (B₁, B₅, B₆, PP, C), in other proportions, and with β-IBA auxin

Advantages

The proposed culture medium enables reducing root formation time down to 1–2 weeks and enhancing rootage of shoots 6 times, which significantly increases the yield of planting and source material

Stage of Development.
Suggestions for Commercialization

IRL6, TRL6
The nutrient medium for hawthorn (*Crataegus chlorosarka* Max.) rhizogenesis is produced upon request. Staff training is provided upon request

IPR Protection

IPR1, IPR3

Contact Information

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