

Technical table for *Mentha*

Method 3: Encapsulation-Dehydration¹

	Maintenance	Nodal section isolation	Encapsulation	Loading	Dehydration	Rewarming	Recovery
Photoperiod	16 h light/8 h dark	16 h light/8 h dark					16 h light/8 h dark
Light Intensity	55 $\mu\text{M m}^{-2} \text{s}^{-2}$	55 $\mu\text{M m}^{-2} \text{s}^{-2}$					Step 1: dark Step 2: 27 $\mu\text{M m}^{-2} \text{s}^{-2}$ Step 3: 55 $\mu\text{M m}^{-2} \text{s}^{-2}$
Temperature	25 \pm 3°C	25 \pm 3°C	21°C	21°C	21°C	21°C	25 \pm 3°C
Transfer interval	4-12 weeks	2-3 days	Step 1: not applicable Step 2: 30 minutes Step 3: 16-24 hours	Step 1: 24 hours Step 2: 24 hours	varies	Step 1: 10 minutes Step 2: 5 minutes	Step 1: 48 hours Step 2: 72 hours Step 3: 4 weeks
Vessel used	Magenta® GA7*	Petri dish	flask	flask	Petri dish in laminar flow hood	cryovial	Petri dish
Medium used	MS growth	Ca-free MS growth	Step 1: Ca-free MS+3% Na-alginate Step 2: Ca-free MS+0.2 M sucrose +0.1 M calcium chloride Step 3: 0.2 M sucrose	Step 1: 0.5 M sucrose Step 2: 0.75 M sucrose		MS	Steps 1-3: BA+IBA mint recovery

¹ Table does not show steps for blanks and controls