

Technical table for *Ribes*

	Maintenance	Cold acclimation	Encapsulation	Loading	Dehydration	Vitrification	Rewarming	Recovery
Photoperiod	16 h light/8 h dark	8 h light/16 h dark						16 h light/8h dark
Light Intensity	55 $\mu\text{M m}^{-2} \text{s}^{-2}$	27 $\mu\text{M m}^{-2} \text{s}^{-2}$						Step 1: 27 $\mu\text{M m}^{-2} \text{s}^{-2}$ 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	20°C light/-1°C dark	21°C	21°C	21°C		21°C	25 \pm 3°C
Transfer interval	3 weeks	14 days	Step 1: not applicable Step 2: 30 minutes	18-20 hours	varies		Step 1: 15 minutes Step 2: 10 minutes	Step 1: 7 days Step 2: 7 days Step 3: not applicable
Vessel used	Magenta® GA7*	Magenta® GA7*	Step 1: Petri dish Step 2: flask	flask	Petri dish in laminar flow hood	cryovial	cryovial	Petri dish
Medium used	<i>Ribes</i> growth	<i>Ribes</i> growth	Step 1: Ca-free MS+ 3 % Na-alginate Step 2: 100 mM CaCl ₃ +MS encapsulation	0.75 M sucrose+MS			Step 1: not applicable Step 2: MS rehydration	Steps 1-3: <i>Ribes</i> recovery with PVP