

Technical table for *Pyrus*

| | Maintenance | Cold acclimation | Preculture | Loading/Dehydration | Slow cooling | Rewarming 1 | Rewarming 2 | Rehydration | Recovery |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------|-----------------|-------------|-------------|----------------------|---------------------------------------|
| Photoperiod | 16 h light/8 h dark | 8 h light/16 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 $\mu\text{M m}^{-2} \text{s}^{-2}$ | 27 $\mu\text{M m}^{-2} \text{s}^{-2}$ | | | | | | 55 $\mu\text{M m}^{-2} \text{s}^{-2}$ |
| Temperature | 25 \pm 3°C | 20°C light/-1°C dark | 20°C light/-1°C dark | 0°C | 0.1°C/minute | 45°C | 25°C | 25°C | 25 \pm 3°C |
| Transfer interval | 4 weeks | 21 days | 48 hours | 60 minutes | | 2 minutes | 1 minutes | 5 minutes | 4-6 weeks |
| Vessel used | Magenta® GA7 | Magenta® GA7 | Petri dish | 1.5 ml cryovial | 1.5 ml cryovial | Water bath | Water bath | 1.5 ml vial | Petri dish |
| Medium used | Pear multiplication | Pear multiplication | Pear pretreatment with 5% DMSO | PGD | PGD | N/A | N/A | Liquid MS 3% sucrose | Pear recovery |