

InVitro Express

OASIS[®] Grower Solutions Foam Medium
Tissue Culture medium for in vitro root development, rapid handling at transplant, and faster greenhouse growth

Breakthrough technology from OASIS[®] Grower Solutions can replace agar with cellular foam and allow plantlets to root in liquid medium while maintaining optimal aeration. Additionally, if semisolid culture is required, agar media can be added to the foam. OASIS[®] InVitro Express (IVE) was developed to promote superior root development and shoot growth, quicker acclimatization as well as to enhance greenhouse growth while reducing labor costs by simplifying the transplanting process.

Why OASIS[®] InVitro Express is the right choice

The OASIS[®] cellular foam creates an ideal environment for uniform rooting and protects roots through transplanting. The culture medium can be held in a liquid state or semisolid state. Prior to transplant, the media is easily rinsed away without damaging the young roots. When ready for transplant, the cubes are separated with roots and foam intact, simplifying the transplanting process and increasing success rates in the greenhouse.



Rigid Vessel



Ready for Transplant

Features and Benefits of OASIS[®] InVitro Express

- OASIS[®] InVitro Express is a cellular foam, and is free of biotic pests and autoclavable
- The cellular foam can allow both liquid culture or semisolid culture. The foam matrix is inert and does not bind water or nutrients
- With liquid culture, water and nutrients are readily available and can promote superior plantlet growth
- Star dibble hole design allows for easy insertion of micro shoots of varying stem caliper
- Unique cell structure and geometry of the foam provide ideal air to water ratio for optimal rooting success
- The specialized media density and strength allow development of strong and vigorous root system
- Sugar containing media in the foam rinses off quickly by flushing with watering hose and nozzle without damaging the roots, while achieving labor savings
- Microplants are separated with roots protected in the intact foam cubes, thereby minimizing root damage and also allowing easy handling at transplant
- Superior in vitro root development and minimal root damage at transplant allow better survival and rapid greenhouse growth
- InVitro Express comes in different sizes to be used with rigid vessels

The Rigid Vessel: RV-750

High quality construct for light transmission and repeated usage with adjustable vent

Features and Benefits of RV-750

- Specifically designed for plant cell/tissue culture applications
- Both base and the lid are made with highly purified polycarbonate, which offers excellent light transmission
- Autoclavable and designed for repeated usage
- The vessel comes with a vent and has an adjustable knob (0-1.06 cm²) to offer various ventilation or gas exchange rates
- The vent is sealed with a PTFE filter membrane (pore size: 0.2µm) to eliminate bacterial and fungal contamination
- 1.6 times larger than Magenta GA-7 vessel – means more plants per vessel
- Save storage space with stackable base and lid. Dimensions: 4.3" L x 3.5" W x 3.9" H (10.8 cm L x 9 cm W x 9.9 cm H)
- The rectangular construct of the vessels utilizes the culture space very effectively – 25% more growth area per unit shelf space when compared with round vessels



Step-By-Step Procedure



Sterilize



Culture



Rinse



Transplant

OASIS[®] InVitro Express is easy to order (contact your OASIS[®] Grower Solutions Sales Representative for more information).