

# Hydroponic Nutrient Film Technique (NFT) System

## Option for Percival LED-41L2 (SciBrite®) and E-41L2 (SciWhite®) Plant Growth Models

### Applications

- Designed for leafy greens (lettuce, spinach, swiss chard, arugula, kale, broccoli raab), herbs, strawberries, blueberries, melons, tomatoes, minitubers, and other fruits or vegetables with short growth periods and small root systems
- Ideal for studies on precise nutrient delivery for plant growth; root system architecture; plant stress response; water usage and efficiency; superior genotypes for hydroponics; sustainable ag; growing material comparisons; and others

### Construction

- **NFT stainless steel tray assemblies (one per tier)**
  - Stainless steel water tray and cover with handles
  - 16 openings (1"x1") per cover for rockwool cubes (32 plants total per chamber)
  - Stainless steel water channel assemblies and drain fittings
- **Stainless steel water reservoir tank**
  - Stainless steel construction water pans
  - Manifold for even flow through each NFT tray
  - Water pump and aerator with air stone
  - Ports for future dosing system
  - Water pan access for sampling (EC and pH measurement)
  - Stainless steel cover with removable port for manual nutrient and water addition
  - Water supply and return tubing with fittings
  - Flow switch connected to carboy
- **External carboy tank**
  - Hose and fittings connected to stainless steel water reservoir
  - Automatically refills water reservoir when levels are low

*All components are designed for easy removal and cleaning between experiments.*



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**SciWhite**  
by Percival Scientific



E-41L2 Hydroponic

