

Esco Cell Processing Isolator and Turnkey Cell Processing Centers

Highly Modular and Adaptable Solution for Cell-, Gene Therapy, Tissue Engineering, Seed Banking, and Cell Processing



A cGMP isolator, as per PIC/s standards, is an advanced aseptic processing containment system that is pressure tested and able to withstand a biodecontamination and/or sterilization procedure in a validated manner. It needs to be placed in a Grade D cleanroom.



Temperature and CO₂ Controlled Isolator

TFAI | ACTI



Isolator Ready with Esco Cell Therapy Equipment

GPPI | CPI | APPI

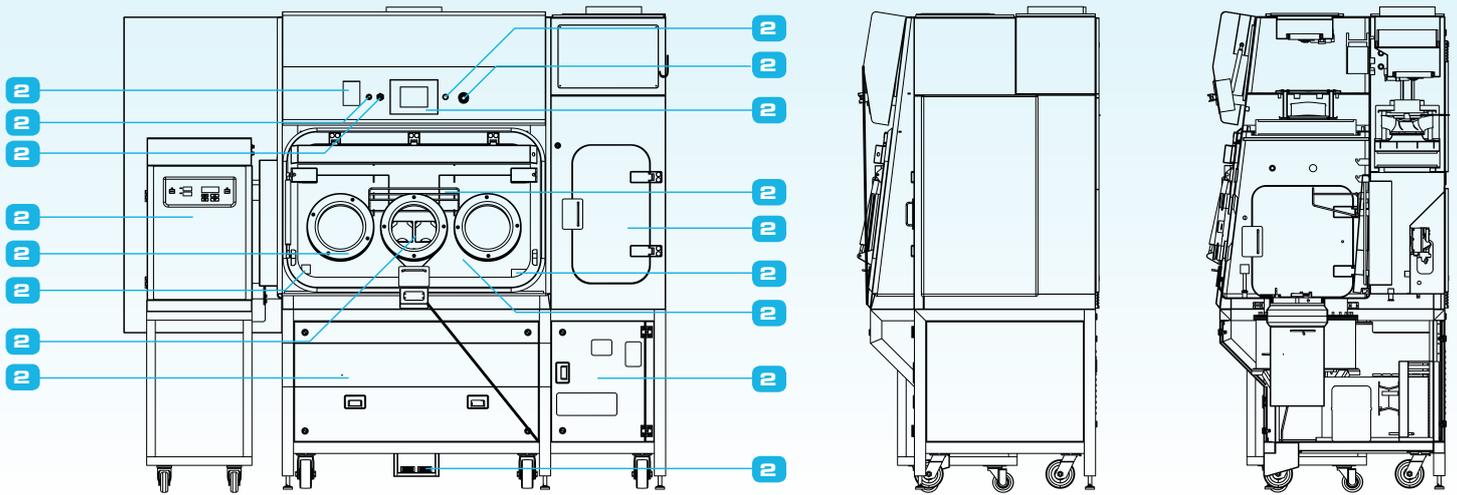


Stand Alone Isolator with Third-party Equipment

SCI | HPI

Isolator Specifications

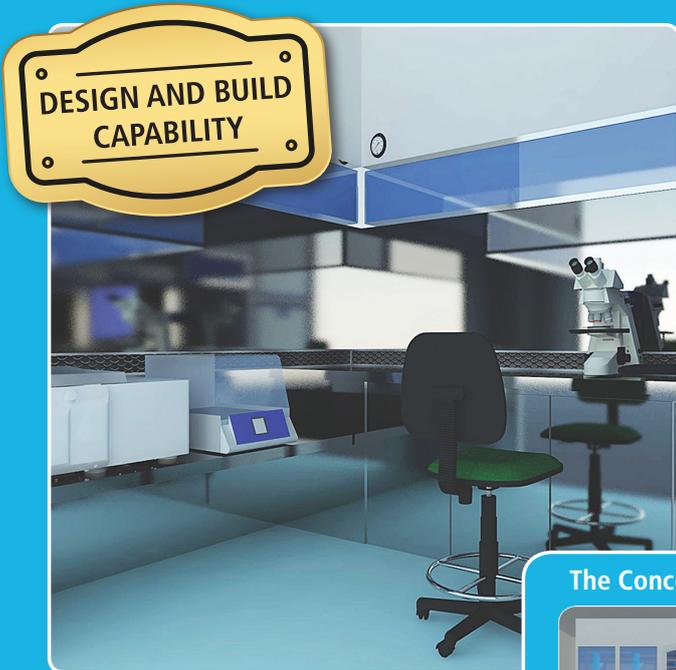
Note: dimensions and components may subject to change depends on further discussion.



- 1. Printer
- 2. USB Port
- 3. Ethernet Port
- 4. Incubator
- 5. Glove Ports
- 6. Viable Particle Counter

- 7. Electrical Socket
- 8. Centrifuge
- 9. Emergency Reset Button
- 10. Emergency Stop Button
- 11. HMI
- 12. Shelves

- 13. Pass-Through Chamber Outer Door
- 14. Airborne Particle Counter
- 15. Main Glass Door
- 16. BioVap Compartment
- 17. Footswitches



DESIGN AND BUILD CAPABILITY

Cell Processing Center

Isolator Equipment Integration:

- ✓ Biobank
- ✓ Peltier Dry Well (-20 ° to 38° C)
- ✓ Refrigerators/ULTF (-30)
- ✓ Dry Shaking Bath
- ✓ Autoclave
- ✓ Vacuum
- ✓ Incubators
- ✓ Shaking Incubator
- ✓ Bioreactor (Tide/Wave/Shaker)
- ✓ Filling system with optional Single shelf freeze drier
- ✓ Centrifuge
- ✓ Microscope
- ✓ Glove Leak Tester

The Concept



Esco's C-Class (ISO 7) Modular Room



Multi-functional Bio-work station



Self-contained system



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