

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

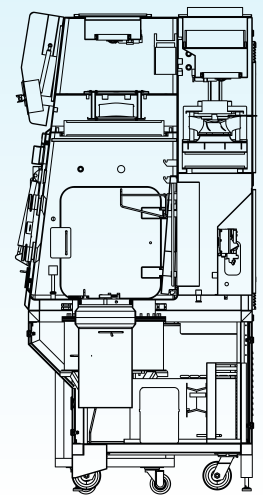
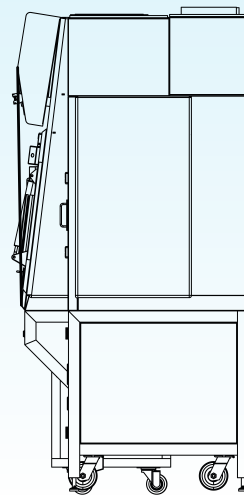
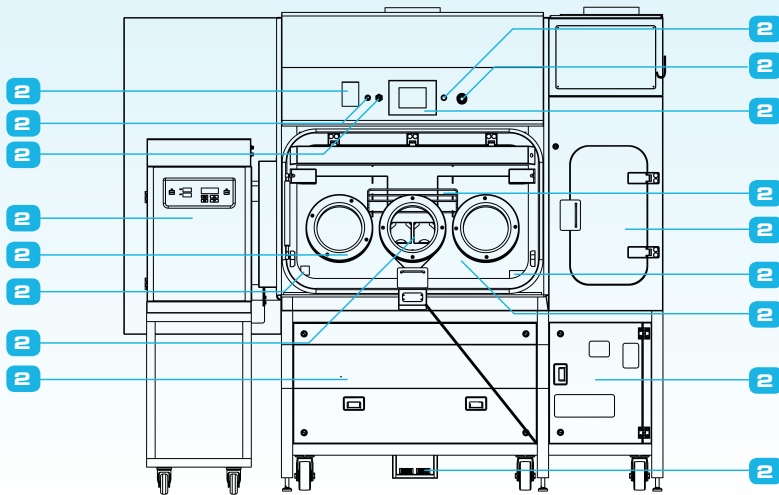


Stand Alone Isolator with
Third-party Equipment

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



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