

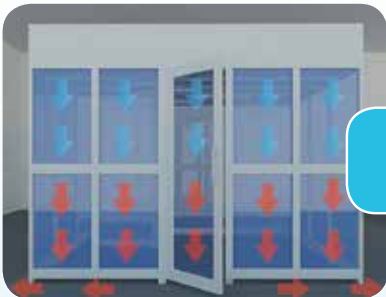


Cell Processing Center

Esco's bio-work station designed to help you produce cell therapy products easily.

- Economical
- Compact multi functional bio-work station inside a C-class room.
- Equipped with centrifuge, shaking incubator and other necessary equipment built in a single space.
- Ergonomically designed for stem isolation and cell handling and manufacturing.
- Microprocessor Control System
- Modular and easily customised with your desired device inserted in this work station.

The Concept



Esco's C-class (ISO 7) modular room for product and process protection.



Multi-Functional Bio-work station with built-in centrifuge, shaking incubator and other equipment necessary for stem cell isolation and cell handling and manufacturing. Workbench filtration can be configured to be single pass or recirculating airflow regimes.



A self contained system that delivers an efficient and cost effective cGMP compliant processing and manufacturing solution for regenerative stem cell and cell therapies.

- **General Centrifuge, Esco Vertai T10000 Centrifuge**
Automatic rotor identification system upon rotor insertion
Temperature setting ranges from -20°C to +40°C
Over-speed detection system: warning rings when speed exceed the safe range
Designed for multi-purpose such as isolating cell or blood
- **Esco Bench Top Incubator Shaker, reliable performance for universal application**
Excellent design and unique manufacture provide quite, smooth, uniform, 24/7 operation without any worry.
Open air ambient shake, incubator shaker, flexible stackable incubator shakerfit any application you required.
Tuned microprocessor is programmable to change parameter with setting timer.

Units' memory can store up to 25 programs, each program has up to 25 unique time – based steps.

- **Bio-work Station**
99.99% HEPA Filter and UV Sterilization provide pure environment.
Air circulation can be adjusted either single pass or recirculatory
Microprocessor control system
- **Foot Switch**
It is designed to start and stop centrifuge and shaking incubator by foot.
- **Pressure Gauge**
To monitor differential pressure across filters. It allows you to notice the filter defects as well as the timing of replacing the filter.



Centrifuge



UV Lamp



Foot Switch



Bio-work Station



Shaker Incubator



HEPA Filter

GENERAL SPECIFICATION

ITEMS	SPECIFICATION
Main Filter	HEPA Filter 99.99% efficiency on particles of 0.3 µm
Exhaust Filter	HEPA Filter 99.99% efficiency on particles of 0.3 µm
Sterilization Lamp	U.V. 20w x 2ea
CENTRIFUGE	
Max RPM	15000 rpm
Max Force	4612 xg
Max Capacity	480 ml
Temperature Range	-20°C to +40°C
Noise Level	<60 dBA
Timer	99 hrs 59 min & hold run
SHAKING INCUBATOR	
Temperature Range	25°C-60°C
Speed Range	15-575 RPM
Display	5.7" intuitive touchscreen
Controller	Digital PID Controller