

Stem Cell Work Station

The Best Safe & Convenient Stem Cell Isolation Solution

<Centrifuge + Shaking Incubator + Clean Bench>

beauty
CELL

STEM CELL WORKSTATION
Clean Bench
Centrifuge
Shaking Incubator

www.n-biotek.com



Integrated Work Station for Stem Cell Isolation

Beauty Cell™ is an unique Multi-functional work station which combines a clean bench with a centrifuge and a shaking incubator. Its integrated design enables the operation of centrifuge and shaking incubator in clean bench which provides aseptic condition by air circulation through HEPA filter. It minimizes the risk of contamination during stem cell isolation or some biological application that using centrifuge and shaking incubator. Enjoy all-in-one station for the efficiency.



< UV Lamp >



< HEPA Filter >



< Inside Work Station >



< Centrifuge >

< Shaking Incubator >



< Interior Outlet >



< Cabinet for Storage >



< Pressure Gauge >



< Foot Switch >

Feature

#Clean Bench

It provides clean condition in work station when handling samples

1. HEPA Filter – 99.99% efficiency for 0.3µm particles makes class 100 condition for safe cell handling. All airflow is through HEPA filter.
2. Equivalent Airflow as Biosafety Cabinet : 30% exhaust, 70% inflow
3. Air Curtain : Built-in air blower motor makes air curtain in front and prevent airflow from outside. It protects the sample from outside air.
4. UV Lamp for decontamination / Fluorescent lamp for lighting.
5. Storage Cabinet is located below work area for quick access on tools.
6. Interior Power Outlet for the use of an electric device in the station.
7. Stainless steel work table minimizes corrosion. Cleaning is also easy.
8. Pressure Gauge is to recognize the time for filter replacement.
9. Foot Switch is to operate power of centrifuge and shaking incubator

#Centrifuge

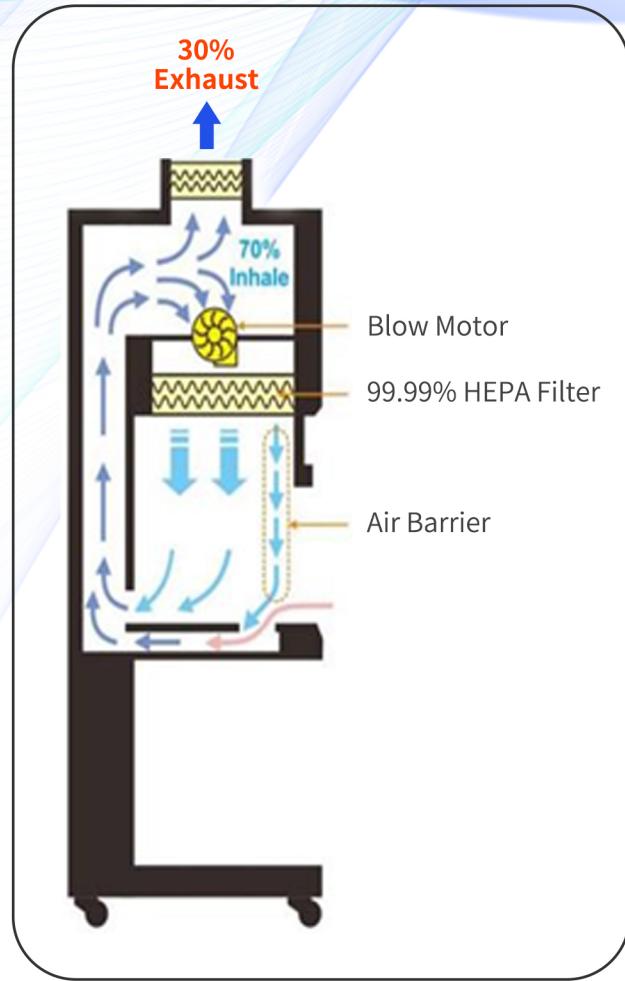
It is used for cell or blood isolation using centrifugal force.

1. Powerful but, stable centrifugation with quality inverter motor drive
2. Teflon Coated Chamber for easy cleaning and resistant on chemical
3. Microprocessor control, Unbalance Detection/ Buckets

#Shaking Incubator

It is used to mix and warm up the sample with enzyme or reagents.

1. Stable Shaking by BLDC Magnetic Induction motor
2. Stable Temperature Control by micro process
3. Holder Platform for 15, 50ml tubes and easy replaceable structure



Air Flow in the station

Adipose Stem Cell(SVF) Isolation Process



Liposuction



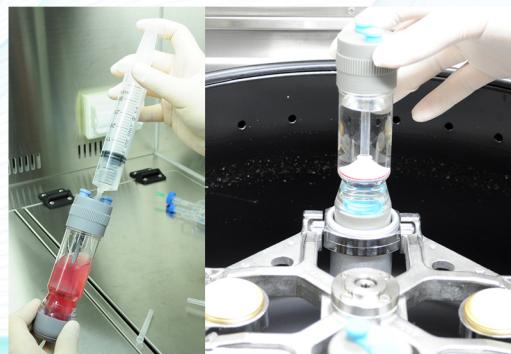
Preparation for SVF Isolation with Isolation kit



Enzymatic Digestion in shaking incubator



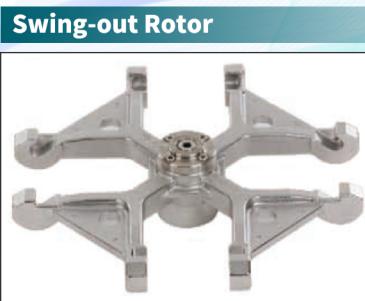
SVF Isolation by Centrifugation



Washing with Normal Saline and centrifugation



Final SVF Collection



VR-50S
Max. 5,500RPM
Max. 5,580 Xg, R165mm

Accessories

Swing Rotor Speed Table

| Rotor | Bucket | VS-5500i | | VS-5000i | |
|--------|---------------|----------|---------|----------|---------|
| VR-50S | VB-04 | 5,500RPM | 5,580Xg | 5,000RPM | 4,612Xg |
| VR-50S | VB-08 | 5,000RPM | 4,612Xg | 4,500RPM | 3,736Xg |
| VR-50S | VB-32, VB-16 | 4,500RPM | 3,736Xg | 4,000RPM | 2,952Xg |
| VR-50S | VC-40 carrier | 3,500RPM | 2,260Xg | 3,500RPM | 2,260Xg |
| VR-02M | Micro plate | 2,500RPM | 1,013Xg | 2,500RPM | 1,013Xg |

Bucket



VB-32
15ml X 8tubes,
16 X 114mm,
4,500RPM, 3,736Xg



VB-08
50ml X 2tubes,
29 X 104mm,
5,000RPM, 4,612Xg



VB-16
15ml X 4tubes,
17 X 120mm,
4,500RPM, 3,736Xg



VB-04
50ml X 1tubes,
30 X 115mm,
5,500RPM, 5,580Xg

ADSC(SVF) Isolation Kit



Specification

| Items | Unit | NB-803MS | NB-803MSF |
|---------------------------|------|---|---|
| Main Filter | | HEPA filter 99.99% efficiency on particles of 0.3μm | HEPA filter 99.99% efficiency on particles of 0.3μm |
| Exhaust Filter | | HEPA filter 99.99% efficiency on particles of 0.3μm | HEPA filter 99.99% efficiency on particles of 0.3μm |
| Sterilization lamp | | U.V 20W x 2ea | U.V 20W x 2ea |
| CENTRIFUGE | | | |
| Max RPM | | 5,000rpm | 5,500rpm |
| Max Force | | 4,612Xg | 5,580Xg |
| Max Capacity | ml | 480ml, 15ml x 32Tubes (Swing rotor) | 480ml, 15ml x 32Tubes (Swing rotor) |
| Tamp. range | °C | | -5°C ~ 60°C |
| Main Controller | | Digital PID controller | Digital PID controller |
| Drive system | | Inverter Motor Drive | Inverter Motor Drive |
| Timer | | 99hrs 59min & hold run | 99hrs 59min & hold run |
| SHAKING INCUBATOR | | | |
| Tamp range | °C | Ambient +5°C ~ 60°C | Ambient +5°C ~ 60°C |
| Speed Range | rpm | 30 ~ 300 rpm | 30 ~ 300 rpm |
| Plate size | mm | 250 x 310mm | 250 x 310mm |
| Time Range | | Continuous or up to 47h 59min | Continuous or up to 47h 59min |
| Display | | LED Display | LED Display |
| Controller | | Digital PID controller | Digital PID controller |
| DIMENSION | | | |
| Work space | mm | 900 x 640 x 620(H)mm | 1200 x 600 x 620(H)mm |
| Overall | mm | 900 x 790 x 1920(H)mm | 1200 x 825 x 1920(H)mm |
| Power | V/Hz | 110/220V, 50/60Hz, 800W | 110/220V, 50/60Hz, 1.2kW |

© 2018 N-Biotek Inc. All rights reserved. Specifications, terms and appearance are subject to change.