

# 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



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# Integrated Work Station for Stem Cell Isolation

Beauty Cell™ is a 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 0.3 $\mu$ m 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

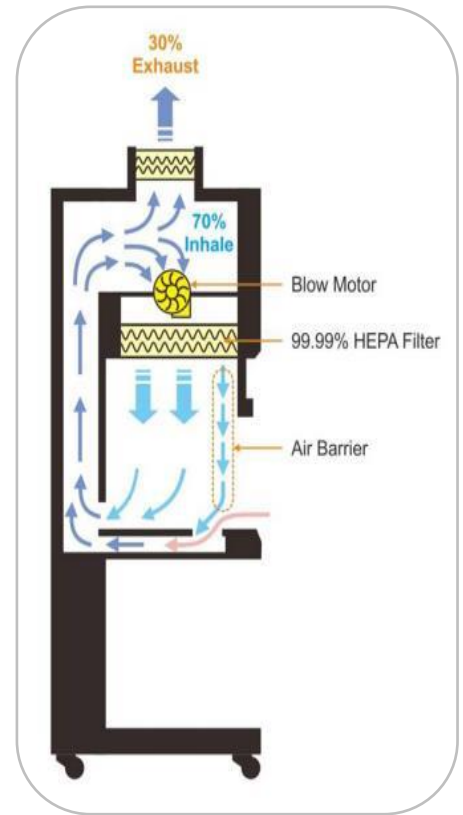
It is used for cell or blood isolation using centrifugal force.

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



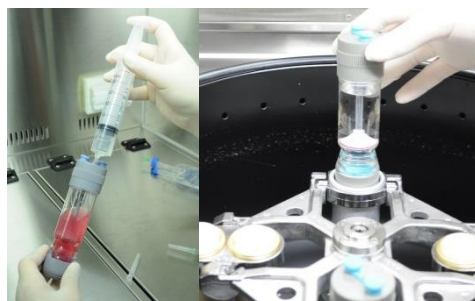
Preparation for SVF Isolation with Isolation kit



Enzymatic Digestion in shaking incubator



SVF Isolation by Centrifugation



Washing with Normal Saline and centrifugation



Final SVF Collection

# 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	3,500PRM	2,260xg
VR-02M	Micro plate	2,500RPM	1,013xg	2,500RPM	1,013xg



Swing-out Rotor



Bucket



ADSc(SVF) Isolation Kit



## Specification

Items	Unit	NB-803MS	NB-803MSF
<b>Main Filter</b>		HEPA filter 99,99% efficiency on particles of 0,3µm	HEPA filter 99,99% efficiency on particles of 0,3µm
<b>Exhaust Filter</b>		HEPA filter 99,99% efficiency on particles of 0,3µm	HEPA filter 99,99% efficiency on particles of 0,3µm
<b>Sterilization lamp</b>		U,V 20Wx2ea	U,V 20Wx2ea
<b>CENTRIFUGE</b>			
<b>Max RPM</b>		5,000rpm	5,500rpm
<b>Max Force</b>		4,612xg	5,580xg
<b>Max Capacity</b>	ml	480ml, 15mlx32Tubes(Swing rotor)	480ml, 15mlx32Tubes(Swing rotor)
<b>Temp. range</b>	°C		-5°C~60°C
<b>Main Controller</b>		Digital PID controller	Digital PID controller
<b>Drive system</b>		Inverter Motor Drive	Inverter Motor Drive
<b>Timer</b>		99hrs 59min & hold run	99hrs 59min & hold run
<b>SHAKING INCUBATOR</b>			
<b>Temp range</b>	°C	Ambient +5°C~60°C	Ambient +5°C~60°C
<b>Speed Range</b>	rpm	30~300 rpm	30~300 rpm
<b>Plate size</b>	mm	250x310mm	250x310mm
<b>Time Range</b>		Continuous or up to 47h 59min	Continuous or up to 47h 59min
<b>Display</b>		LED Display	LED Display
<b>Controller</b>		Digital PID controller	Digital PID controller
<b>DIMENSION</b>			
<b>Work space</b>	mm	900x640x620(H)mm	1200x600x620(H)mm
<b>Overall</b>	mm	900x790x1920(H)mm	1200x825x1920(H)mm
<b>Power</b>	V/Hz	110/220V, 50/60Hz, 800W	110/220V, 50/60Hz, 1,2kW

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