

**Contents**

	Page
CO <sub>2</sub> Incubators with or without Touch Screen	4
“Max Cell”™ – large capacity CO <sub>2</sub> incubator	5
CO <sub>2</sub> Incubators (“aniCell”™) with integrated orbital shakers	6
Incubator with integrated orbital shaker <b>NEW!</b>	6/7
“MiniCell”™ – small portable CO <sub>2</sub> incubator	3
Multi functional work stations for general cell culture / stem cell research	3
Multi and combination shaker	9
Orbital shakers with optional separate remote controller	9
Shaker accessories	12
Shaking incubators with or without cooling function	8
STEMPIA – SVF isolation kit	10
Vacuum evaporator	2
Water baths – also with shaking feature	2

## Water Baths, also with shaking feature

### Water bath for general application (NB301)

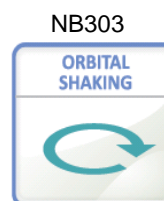
- Temperature range: 5 °C above ambient to 99 °C (±0.5 °C at 37 °C)
- Convenient adjustment of water level with engraved level scale
- Heater located underneath the water chamber
- LED display for temperature, time, and power failure
- Supplied with flat bath cover, gable cover optionally available
- Bath capacity: 10 l



### Water bath with shaking feature (NB303)

#### Specifications of water bath:

- Temperature range: 5 °C above ambient to 80 °C (±0.3 °C at 37 °C)
- Heater located underneath the water chamber
- LED display for temperature, speed, time, and power failure
- Supplied with spring wire rack
- No bath cover included (can be ordered separately, see below)



Shaking Type

#### Specifications of shaker:

- Orbital shaking speed: 30 to 200 rpm, orbital diameter: 22 mm
- Timer: up to 48 hours, or continuous operation
- Brushless DC motor for low noise level and reduced vibration

Cat. No.	Description
NB301	<b>Water bath</b> , with flat cover, max. 10 l, external/internal dimensions (w x d x h): 270/240 x 345/300 x 225/150 mm
NB303	<b>Water bath with orbital shaking feature</b> , with spring wire rack, max. 10 l, <u>without</u> cover (available separately, see below), external dimensions (w x d x h): 310 x 345 x 260 mm
3014BC12	Gable cover for NB301
304BC12	Gable cover for NB303

## Vacuum Evaporator

- Infrared glass lid spreads heat and infrared radiation to reduce time required for evaporation of samples using vacuum e.g. for DNA or RNA samples
- Easy control of sample without stopping spin by using the real scope
- Temperature range: 35 °C to 65 °C (0.1 °C increments)
- 3 selectable rotation speeds: 1700, 2500, or 5000 rpm
- LED display for temperature and timer
- Vacuum pump and glass trap are built-in
- Optional cold trap available



Cat. No.	Description
NB503CIR	<b>Vacuum evaporator</b> , with real scope for sample observation, dimensions (w x d x h): 213 x 255 x 225 mm, <u>no rotor supplied</u> (has to be ordered separately, please see below)
503-0524	Rotor for 50 x 0.5 ml tubes
503-1524	Rotor for 24 x 1.5 ml tubes
503-10016	Rotor for 16 x 10 ml tubes
503-15012	Rotor for 12 x 15 ml tubes

## Multi Functional Workstations for Stem Cell Research and Cell Isolation or Handling

Reduces the possibility of contamination since multiple operations can be performed with one equipment.

The following features are included:

### Laminar air flow cabinet:

- 2 x HEPA filters (99.99 % efficiency on particles of 0.3  $\mu\text{m}$ )
- 2 x UV sterilization lamps (each 20 W)

### Shaking incubator:

- Temperature range: 5 °C above ambient to 60 °C
- Shaking speed: 30 to 300 rpm; orbital diameter: 22 mm
- Platform size: 250 x 310 mm
- LED display
- Timer: up to 48 h, or continuous operation

### Centrifuge:

#### NB803MS with swing rotor

- Max. speed: 5000 rpm
- For up to 32 x 15 ml tubes
- Timer: up to 100 hours, or continuous operation

The supplied foot pedals can be used to start and stop the centrifuge and shaking incubator.

Optional accessories on request.



centrifuge

shaking incubator

Cat. No.	Description
NB803MS	<b>Multi functional workstation</b> , with laminar air flow cabinet, shaking incubator, and centrifuge, chamber dimensions (w x d x h): 800 x 650 x 620 mm, overall dimensions (w x d x h): 900 x 790 x 1920 mm

## MiniCell™ - Small Portable CO<sub>2</sub> Incubator

- Compact incubator with carrying handle for easy transport (weight: 6.8 kg)
- External (internal) dimensions (w x d x h): 292 x 333 x 433 mm (224 x 200 x 340 mm)
- Temperature range: 15 °C to approx. 45 °C at ambient 25 °C ( $\pm 0.25$  °C at 37 °C)
- CO<sub>2</sub> range: 0 to 20 % (infrared sensor); CO<sub>2</sub> accuracy:  $\pm 0.1$  % at 5 %
- Cooling and heating by Peltier system for low-noise operation
- User-friendly digital control with LED display
- Excellent temperature uniformity
- Supplied with:
  - Water tray for natural humidity up to 80 %
  - 2 stainless steel shelves (max. 3 shelves can be fitted)
  - Connection cable to use MiniCell™ in car



Cat. No.	Description
NB203M	<b>MiniCell™ CO<sub>2</sub> incubator</b> , capacity 15.2 l
203M-Hole	Access port (12 mm diameter) with stopper (has to be ordered with unit, cannot be fitted later into existing units)
203M-Shelf	Additional stainless steel shelf

## CO<sub>2</sub> Incubators with or without Touch Screen (approx. 12.7 cm)

- Temperature range: 5 °C above ambient to 60 °C (± 0.25 °C at 37 °C)
- CO<sub>2</sub> range: 0 to 20 % (infrared sensor); CO<sub>2</sub> accuracy: ± 0.1 % at 5 %
- Stackable units with LED display (stacking kit required, optionally available, see below)
- Stainless steel interior and perforated shelves
- Double door: compact outer door and clear tempered glass inner door
- Supplied with water tray for natural humidity
- Heated door prevents condensation on glass door
- Incubators without access port, feature has to be ordered separately



- Chamber volume, external (internal) dimensions (w x d x h):
 

- NB203:	42 l	408 x 482 x 550 mm	(320 x 350 x 370 mm)
- NBT203:	42 l	408 x 482 x 550 mm	(320 x 350 x 370 mm)
- NB203XL:	180 l	560 x 665 x 945 mm	(473 x 528 x 710 mm)
- NBT203XL:	180 l	560 x 665 x 945 mm	(473 x 528 x 710 mm)
- NBT203XL-28:	280 l	700 x 690 x 1070 mm	(603 x 580 x 790 mm)
- NB203XXL:	850 l	820 x 950 x 1840 mm	(698 x 799 x 1528 mm)

### Cat. No.

### Description

NB203	<b>CO<sub>2</sub> incubator</b> , supplied with 2 shelves (max. 4 shelves), chamber vol. 42 l
NBT203	<b>NB203 CO<sub>2</sub> incubator with touch screen</b>
NB203XL	<b>CO<sub>2</sub> incubator</b> , supplied with 3 shelves (max. 6 shelves), chamber vol. 180 l
NBT203XL	<b>NB203XL CO<sub>2</sub> incubator with touch screen</b>
NBT203XL-28	<b>CO<sub>2</sub> incubator with touch screen</b> , supplied with 3 shelves (max. 8 shelves), chamber vol. 280 l
NB203XXL	<b>CO<sub>2</sub> Incubator</b> supplied with 3 shelves (max. 15 shelves), chamber vol. 850 l

### Optional accessories

203-SH	Shelf for NB203, NBT203, perforated
203XL-SH	Shelf for NB203XL, NBT203XL, perforated
203-HOLE	25 mm Access Port with silicon stopper
203-STAKIT	Stacking Kit for NB203, NBT203
203XL-STAKIT	Stacking Kit for NB203XL, NBT203XL
203-UV	UV Sterilization
203-ING	2 divided inner glass doors for NB203, NBT203
203XL-ING	6 divided inner glass doors for NB203XL, NBT203XL
203-125	125 °C Hot Air Sterilization for NB203, NBT203
203XL-125	125 °C Hot Air Sterilization for NB203XL, NBT203XL and NB203QS
203-COOL	Peltier Cooling Option for NB203, NBT203
203XL-COOL	Peltier Cooling Option for NB203XL, NBT203XL
203-COP	Copper Chamber for NB203, NBT203 (Only available when ordering two NB203)
203XL-COP	Copper Chamber for NB203XL, NBT203XL (Only available when ordering two NB203XL)
203-114	Caster Base Tray for NB203, NBT203
203XL-114	Caster Base Tray for NB-203XL, NB-203QS, NB-206CL
203-113	Humidity Display (No Control, LED Display and Humidity Sensor)
203-HUMTR	Humidification with one humidifier for NB203, NBT203, NB203XL and NBT203X (Dehumidification is not available)
203-O2	Oxygen Control (Hypoxia, 1% ~ 19%)
203-REG-H	CO <sub>2</sub> Regulator (Harris, USA)

# “Max Cell”™ – Large Capacity CO<sub>2</sub> Incubator - 880 liters

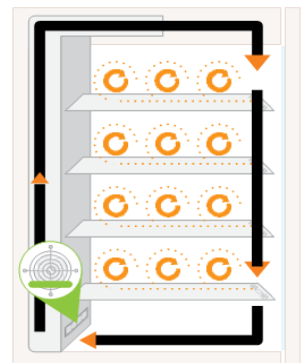
## Specifications of incubator:

- Temperature range: 7 °C above ambient to 60 °C (± 0.5 °C at 37 °C)
- CO<sub>2</sub> range: 1 to 20 % (Dual Beam IR CO<sub>2</sub> Sensor); CO<sub>2</sub> accuracy: ± 0.1 % at 5 %
- Incubator with a microprocess PID control
- Air jacket, 6 side direct heating
- Stainless Steel 304 interior and perforated shelves
- Double door: powder coated outer door (heated) and clear tempered glass inner door (optional heated)
- Supplied with water tray for natural humidity (80 – 90 %) or optional ultra sonic humidifier
- Quantity of shelves depends on the model (0 – 5)
- 18 cm full colour and user-friendly LCD touchscreen
- Internal memory for recording up to 6 months with a USB 3.0 Port
- Real-time monitoring system with a screen lock
- Alarm for temperature, CO<sub>2</sub>, door open, sensor failure
- Independent analogue thermostat for temperature safety
- 4 x Fans at back bottom-most / Vertical Laminar Airflow
- 2x Access Ports (each at left and right side)
- Mobile due to the four adjustable castors

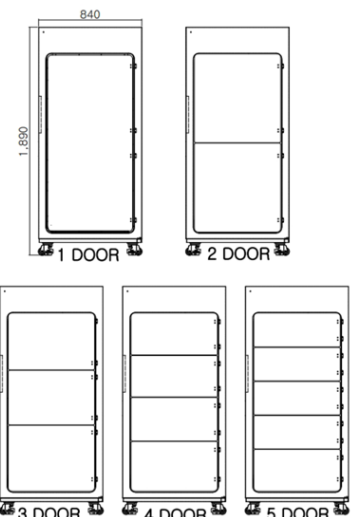
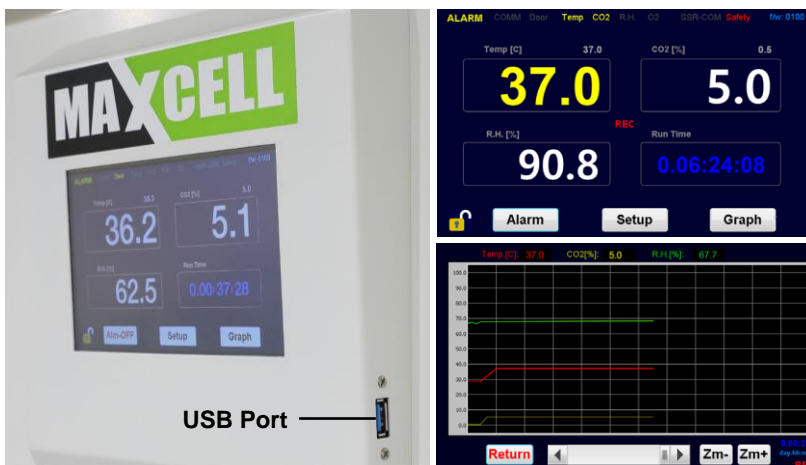


## Optional features and accessories on request:

- Heated glass interior door
- Stainless steel shelf
- Stainless steel shelf with front sealing gasket
- Low oxygen control (1 – 19 %)
- Humidification with ultrasonic humidifier
- Split inner glass door
- 25 positions of shelf and 5 types of glass doors (also, customization available)



- Chamber volume, external (internal) dimensions (w x d x h):  
 - NBT203XXL: 880 l    840 x 930 x 1890 mm (720 x 800 x 1530 mm)



5 models available

Cat. No.	Description
NBT203XXL-1D	<b>Max Cell™</b> - 1 full inner glass door model, chamber vol. 880 l, shelves are not included and have to be ordered separately.
NBT203XXL-2D	<b>Max Cell™</b> - 2 divided inner glass doors model, chamber vol. 880 l, incl. 3 shelves
NBT203XXL-3D	<b>Max Cell™</b> - 3 divided inner glass doors model, chamber vol. 880 l, incl. 3 shelves
NBT203XXL-4D	<b>Max Cell™</b> - 4 divided inner glass doors model, chamber vol. 880 l, incl. 4 shelves
NBT203XXL-5D	<b>Max Cell™</b> - 5 divided inner glass doors model, chamber vol. 880 l, incl. 5 shelves

## “aniCell”™ – Large CO<sub>2</sub> Incubators with Integrated Orbital Shakers

### Specifications of incubator:

- Temperature range: 5 °C above ambient to 60 °C ( $\pm 1$  °C at 37 °C)
- CO<sub>2</sub> range: 0 to 20 % (infrared sensor); CO<sub>2</sub> accuracy:  $\pm 0.3$  % at 5 %
- HEPA filter
- Outer door with magnetic lock
- Built-in UV lamp (4 W) with on/off switch on incubator's outside control panel
- Microprocessor controlled incubator and shaker
- Chamber volume, external (internal) dimensions (w x d x h):
  - NB206CX: 450 l 820 x 780 x 1360 mm (700 x 650 x 1030 mm)
  - NB206CXL: 650 l 820 x 780 x 1740 mm (700 x 650 x 1430 mm)
  - NB206CXXL: 850 l 820 x 920 x 1840 mm (700 x 800 x 1530 mm)
- Interior divided into 2 or 3 compartments, each compartment contains:
  - 1 separate inner door made of tempered safety glass
  - 1 orbital shaker; each with individual control and pull-out platform for easy access
- Dimensions of compartments (w x d x h):
  - NB206CXL: bottom compartment: 700 x 650 x 430 mm
  - top and middle compartments: 700 x 650 x 380 mm
  - NB206CXXL: all 3 compartments: 700 x 780 x 410 mm



NB206CXXL

### Specifications of integrated orbital shaker (NB101M):

- Brushless DC motor for low noise level and reduced vibration
- Shaking speed: 30 to 200 rpm ( $\pm 1$  rpm) or 30 to 250 rpm ( $\pm 1$  rpm); orbit diameter: 25 mm
- Timer: up to 48 hours, or continuous operation
- Dimensions of shaker (w x d x h): 465 x 520 x 125 mm; dimensions of platform: 520 x 520 mm
- Automatic stop/restart function if inner door is opened/closed
- A sticky mat and various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.

Cat. No.	Description
NB206CX	„aniCell“™, large CO <sub>2</sub> incubator, with 2 orbital shakers, chamber vol. 450 l
NB206CXL	“aniCell”™, large CO <sub>2</sub> incubator, with 3 orbital shakers, chamber vol. 650 l
NB206CXXL	“aniCell”™, large CO <sub>2</sub> incubator, with 3 orbital shakers, chamber vol. 850 l

## CO<sub>2</sub> Incubator with 2 Integrated Orbital Shakers

### Specifications of incubator:

- Temperature range: 5 °C above to 50 °C ( $\pm 0.25$  °C at 37 °C)
- CO<sub>2</sub> range: 0 to 20 % (infrared sensor); CO<sub>2</sub> accuracy:  $\pm 0.1$  % at 5 %
- Excellent uniformity of CO<sub>2</sub>, temperature and humidity
- Included: a water tray for natural humidification and an LED display
- Microprocessor controlled incubator and shaker with external control panel
- Chamber volume, external (internal) dimensions (w x d x h):
  - NB206CL: 179 l 560 x 665 x 945 mm (473 x 528 x 710 mm)

### Specifications of integrated orbital shakers (NB101S):

- Brushless DC motor for low noise level and reduced vibration
- Shaking speed: 30 to 200 rpm ( $\pm 1$  rpm)
- Orbit diameter: 22 mm
- Timer: up to 48 hours, or continuous operation
- Platform size: 300 x 330 mm
- Optional platform to enable switch between orbital and reciprocal motion available
- Supplied with a basic platform with silicone rubber mat (not suitable for shaking of flasks etc.)
- A sticky mat and various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.



NB206CL

Cat. No.	Description
NB206CL	CO <sub>2</sub> Incubator with 2 integrated orbital shakers, chamber vol. 179 l 1 inner glass door / not divided

## Incubators with 1 Integrated Orbital Shaker, also with CO<sub>2</sub> control

### Specifications of incubators:

- Temperature range: 5 °C above room temperature to 60 °C ( $\pm 0.25$  °C at 37 °C)
- LED display
- Microprocessor controlled incubator and shaker with external control panel
- Chamber volume, external (internal) dimensions (w x d x h):
  - NB205Q: 142 l 545 x 545 x 870 mm (480 x 435 x 694 mm)
  - NB203QS: 179 l 560 x 665 x 945 mm (473 x 528 x 710 mm)
- Only NB205Q:
  - Automatic stop when door is opened
  - Window on outer door
- Only NB203QS:
  - Inner door made out of tempered safety glass, outer door with magnetic lock
  - CO<sub>2</sub> range: 0 to 20 % (infrared sensor); CO<sub>2</sub> accuracy:  $\pm 0.1$  % at 5 %



### Specifications of integrated orbital shaker (NB101S):

- Brushless DC motor for low noise level and reduced vibration
- Shaking speed: 30 to 300 rpm ( $\pm 1$  rpm); orbit diameter: 22 mm
- Timer: up to 48 hours, or continuous operation
- Optional platform to enable switch between orbital and reciprocal motion available
- Supplied with a basic platform with silicone rubber mat (not suitable for shaking of flasks etc.)
- A sticky mat and various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.



Cat. No.	Description
NB205Q	<b>Incubator with integrated orbital shaker</b> , supplied with 2 shelves and 1 orbital shaker, chamber vol. 142 l
NB203QS	<b>CO<sub>2</sub> Incubator with integrated orbital shaker</b> , supplied with 1 shelf and 1 orbital shaker, chamber vol. 179 l

**New**

## Stackable Shaking Incubator

### Specifications of incubators:

- Temperature range:
  - NBT207: 5 °C above room temperature to 60 °C ( $\pm 1$  °C at 37 °C)
  - NBT207F: 4 °C to 60 °C ( $\pm 1$  °C at 37 °C)
- Uniform temperature inside the whole incubator due to special Top-Back-Bottom air circulation
- User-friendly and intuitive LCD Touch Screen
- Door with window, LED lamp on the inside of the incubator
- Standard model with integrated Access Port
- Chamber volume, external (internal) dimensions (w x d x h):
  - NBT207 & NBT207F: 149 l 600 x 870 x 730 mm (480 x 435 x 694 mm)

### Specifications of integrated orbital shaker:

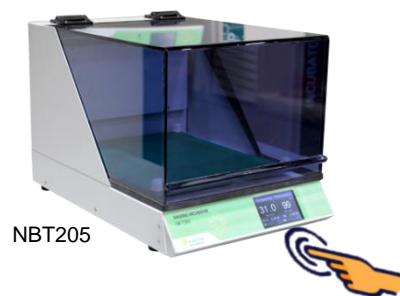
- Brushless DC motor for low noise level and reduced vibration
- Shaking speed: 30 to 300 rpm ( $\pm 1$  rpm); orbit diameter: 19 mm
- Timer: up to 99 h 59 min, or continuous operation
- Platform size: 450 x 450 mm

Cat. No.	Description
NBT207	<b>NEW! Stackable shaking incubator with integrated orbital shaker</b> supplied with 1 shelf, chamber vol. 149 l
NBT207F	<b>NEW! Stackable shaking incubator with integrated orbital shaker and cooling function</b> supplied with 1 shelf, chamber vol. 149 l



## Benchtop Shaking Incubators with or without Touch Screen (approx. 8.9 cm)

- Clear cover opening upwards
- Temperature range: 5 °C above ambient to 60 °C ( $\pm 0.25$  °C at 37 °C)
- Microprocessor controlled incubator and shaker
- Brushless DC motor for low noise level and reduced vibration
- Orbital movement ( $\varnothing$  22 mm)
- Shaking speed: 30 to 300 rpm ( $\pm 1$  rpm)
- Timer: up to 99 h 59 min, or continuous operation
- Automatic shaking stop when door is opened
- User-friendly and intuitive LCD Touch Screen
- Supplied with a basic platform with silicone rubber mat (not suitable for shaking of flasks etc.)
- Various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.



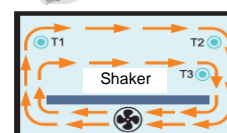
NBT205

Cat. No.	Description
NB205	<b>Mini shaking incubator</b> , external dimensions (w x d x h): 285 x 400 x 290 mm, basic platform: 250 x 310 mm, unit height with open door: approx. 680 mm
NBT205	<b>Mini shaking incubator NB205 with touch screen</b>
NB205L	<b>Large benchtop shaking incubator</b> , external dimensions (w x d x h): 510 x 600 x 470 mm, basic platform: 450 x 450 mm
NBT205L	<b>Large benchtop shaking incubator NB205L with touch screen</b>

## Shaking Incubators with cooling function

### General features

- Brushless DC motor for low noise level and reduced vibration
- Shaking speed: 30 to 300 rpm ( $\pm 1$  rpm), orbital diameter: 22 mm
- Timer: up to 99 h 59 min, or continuous operation
- Automatic shaking stop when door is opened
- Unit not supplied with platform, has to be ordered separately (see page 12)
- Various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.



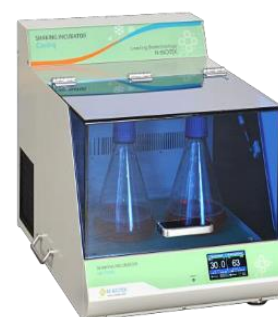
NB205V

### Benchtop incubator NB205LF with or without touch screen (approx. 8.9 cm)

- Large benchtop unit with clear cover that opens upwards
- Temperature range: 12 °C below ambient to 60 °C ( $\pm 1$  °C at 37 °C)
- Minimum temperature: 4 °C (at 16 °C)
- Uniform temperature inside, built-in CFC-free compressor
- Defrosting system for long lasting cooling power
- User-friendly and intuitive LCD Touch Screen

### Floor standing incubator NB205V

- Viewing window in the door (door opens upwards)
- Temperature range: 4 °C to 60 °C ( $\pm 0.25$  °C at 37 °C)
- Microprocessor controlled, LED display, stainless steel chamber
- Uniform temperature inside, built-in compressor
- Optional feature on request: illumination system



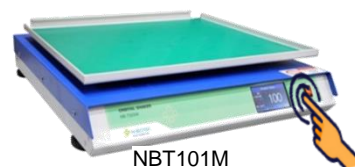
NBT205LF

Cat. No.	Description
NB205LF	<b>Large benchtop shaking incubator with cooling feature</b> , <u>without platform</u> , unit dimensions (w x d x h) 550 x 790 x 555 mm
NBT205LF	<b>Large benchtop shaking incubator NB205LF with cooling feature and touch screen</b>
NB205V	<b>Floor standing incubator with cooling feature</b> , <u>without platform</u> , unit dimensions (w x d x h): 600 x 660 x 995 mm



## Orbital Shakers with optional Remote Control and Touch Screen (approx. 8.9 cm)

- 2 versions: mini shaker and medium shaker
- User-friendly and intuitive LCD Touch Screen with
  - Standard-, temperature- or shaker focused display
  - Programmable steps for temperature and speed, PID-controlled
- Units with **separate remote controller** can be used in incubators with a humidity up to 85 % and an ambient temperature of 4 °C to 60 °C, since main board and touch screen are installed in remote box away from high humidity, CO<sub>2</sub> or extreme temperatures.
- Thin wire cable between shaker and control box can pass through sealing of inner glass door if no access port is available.
- Brushless DC motor for low noise level and reduced vibration
- Shaker motor is covered with epoxy to protect electric parts from high moisture
- Shaking speed: 30 to 300 rpm ( $\pm$  1 rpm); orbit diameter: 22 mm
- Timer: up to 99 h 59 min, or continuous operation
- Optional platform for NBT101S to enable switch between orbital and reciprocal motion available
- Supplied with a basic platform with silicone rubber mat (not suitable for shaking of flasks etc.)
- A sticky mat and various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.



NBT101M



NBT101S

(on the right: separate remote controller to be placed outside an incubator)

Cat. No.	Description
NB101S	<b>Mini shaker</b> , basic platform: 300 x 330 mm, unit dimensions (w x d x h): 305 x 350 x 75 mm
NBT101S	<b>Mini shaker NB101S with touch screen</b>
NB101SRC	<b>Mini shaker NB101S with separate remote controller</b> , controller dimensions (w x d x h): 190 x 50 x 140 mm, controller weight: 2 kg
NBT101SRC-V	Same as NB101SRC but with <b>vibration function</b>
NBT101SRC	<b>Mini shaker NB101S with separate remote controller and touch screen</b>
NB101M	<b>Medium shaker</b> , basic platform: 460 x 455 mm, unit dimensions (w x d x h): 465 x 540 x 125 mm
NBT101M	<b>Medium shaker NB101M with touch screen</b>
NBT101MRC	<b>Medium shaker NB101M with separate remote controller and touch screen</b> , controller dimensions (w x d x h): 190 x 50 x 140 mm, controller weight: 2 kg

## Multi and Combination Shaker with Touch Screen (approx. 8.9 cm)

- 2 versions:
  - NBT101MT: Orbital **or** reciprocal movement
  - NBT101MC: Orbital **and** reciprocal movement
- User-friendly and intuitive LCD Touch Screen with
  - Standard-, temperature- or shaker focused display
  - Programmable steps for temperature and speed
  - PID-controlled: no overshooting of shaking speed
- Brushless DC motor for low noise level and reduced vibration
- Shaking speed: 30 to 300 rpm ( $\pm$  1 rpm); orbit diameter: 22 mm
- Timer: up to 99 h 59 min, or continuous operation
- NBT101MT is supplied with a basic platform with silicone rubber mat (not suitable for shaking of flasks etc.). A sticky mat and various platforms for flasks, tube racks, 96-well microplates are available, please see page 12 or contact us for further information.
- NBT101MC consists of two platforms with mounted spring racks. These can be combined to one platform.



NBT101MT



NBT101MC

Cat. No.	Description
NBT101MT	<b>Multi shaker with touch screen</b> , orbital <b>or</b> reciprocal movement, with silicon rubber mat, basic platform: 460 x 455 mm, dimensions (w x d x h): 465 x 540 x 125 mm
NBT101MC	<b>Combination shaker with touch screen</b> with two spring racks mounted, dimensions (w x d x h): 465 x 540 x 195 mm

→ Shaker accessoires: see page 12

## Stempia – Adipose-derived Stem Cell Isolation Kit

Lipoaspirates, a side product from liposuction, contains many adipose-derived stem cells (ASCs). These cells are enriched in stromal vascular fraction (SVF) and share many similarities with bone marrow stem cells, thereby making them an interesting option for autologous treatment in various orthopaedic applications.

### Stempia simplifies isolation of SVF to a few simple steps:

1. 40 ml fat and 40 ml enzyme are transferred to the isolation tube and thoroughly mixed.
2. SVFs is separated by the integrated filter and collected at the bottom of the tube via one time centrifugation.
3. SVF is removed from the isolation tube and transferred to the second tube for washing and enrichment.
4. The fraction is washed 2 times with normal saline to remove remaining enzyme.
5. In a last step, SVF is taken up in 4-9 ml and ready to be extracted from the tube.



### ► Total process time of isolation: about 1 h



### Specifications of both tubes:

- Isolation tube has a capacity of up to 80 ml (max. 40 ml adipose tissue), the second tube for washing has a capacity of up to 50 ml.
- Dimensions per tube: 140 x 38 mm
- Tube material: Tritan, polypropylene and medical silicon
- Sterilized by gamma radion
- Available certificates: FDA (Class I), CE (Class I), ISO9001, ISO14001

Cat. No.	Description
NB-R001	<b>Stempia SVF isolation kit</b> contains isolation tube and second tube for washing and enrichment
NB-R002	Stempia isolation tube
NB-R003	Stempia wash and enrichment tube

Further products from our portfolio:



### Incubators



Standard Incubators



Refrigerated Incubators with Peltier cooling



Drosophila Incubators with Peltier-cooling



CO<sub>2</sub> Incubators water or air jacketed



Roll-In Large Capacity Incubators with or without CO<sub>2</sub> feature and suitable Roller Apparatus



### Ovens



Standard and High Performance Ovens



Cleanroom Oven



Vacuum Ovens

### Heating Baths



Shaking Water Baths



Lab Armor® Bead Baths

➤ Additional models and accessories for all equipment available.

## Shaker Accessories

For each shaker, shaking incubator or incubator with integrated shaker various support platforms and accessories are available. The catalogue number depends on the shaker model, **please contact us for further information.**



2<sup>nd</sup> platform with 4 legs



platform with premounted spring rack



platform with premounted clamps



platform with premounted microplate rack

## Support platform

Cat. No.	Description
101S-SWPL	Support platform for NBT101S to switch between orbital and reciprocal motion
XXXX-PL	Support platform without clamps (suitable clamps see below)
XXXX-H10	Support platform with premounted clamps for 100 ml flasks
XXXX-H25	Support platform with premounted clamps for 250 ml flasks
XXXX-H50	Support platform with premounted clamps for 500 ml flasks
XXXX-H100	Support platform with premounted clamps for 1000 ml flasks
XXXX-H200	Support platform with premounted clamps for 2000 ml flasks
XXXX-MP	Support platform with premounted clamps for microplates
XXXX-SR	Support platform with spring wire rack, can be used with tubes and vessels
XXXX-2S	Additional 2 <sup>nd</sup> support platform, with 4 legs

## Clamps, racks, and sticky mat

Cat. No.	Description
CL100	Clamp for 1 x 100 ml flask
CL250	Clamp for 1 x 250 ml flask
CL500	Clamp for 1 x 500 ml flask
CL1000	Clamp for 1 x 1000 ml flask
CL2000	Clamp for 1 x 2000 ml flask
CLMP	Clamp for 1x Microplate rack
101STR14	Tube rack for 56 x 10 ml tubes, tube diameter: <b>14 mm</b>
101STR16	Tube rack for 32 x 15 ml tubes, tube diameter: <b>16 mm</b>
101STR19	Tube rack for 32 x 15 ml tubes, tube diameter: <b>19 mm</b>
101STR30	Tube rack for 10 x 50 ml tubes, tube diameter: <b>30 mm</b>
101-STICKY	Sticky mat 400 x 500 mm
101-STICKY-S	Sticky mat 300 x 330 mm

For more information, please visit our website [www.dunnlab.de](http://www.dunnlab.de)

or contact us directly at [info@dunnlab.de](mailto:info@dunnlab.de).