

## TGL18 Large Capacity High Speed Refrigerated Centrifuge

Holding lots of Swing Out Rotors & Angle Rotors for options in TGL18. Mainly used in animal and plant molecular biology, cell biology, food safety, life science, agriculture and forest science, animal husbandry science, biological products, pharmaceutical products and other fields of ideal equipment for the separation and precipitation of samples preparation.

### Features :

- With silent-block and shock absorbers that guarantees smooth and quiet operations without vibrations.
  - The centrifuge body is made of high-quality steel, safe and reliable.
  - Microprocessor digital control of all functions: speed, time, temperature, acceleration/deceleration, RCF, 10 program memory, operation fault display.
  - Electronic safety lock alarm inside, just press down the top lid until it will lock in sealed and open up after separation automatically.
  - Easy open the centrifuge lid via pneumatic springs; the operation area of the centrifuge is at the front end.
- RPM/RCF adjustable along with the speed setting calculating automatically.
  - 10 selective acceleration and deceleration rates for options
  - The self-diagnostic system provides a protection for imbalance over speed/voltage and electronic lock fault.
  - ISO9001:2008, ISO13485, CE certificates are available.



### Technical Data:

|                   |                 |
|-------------------|-----------------|
| Max.Speed         | 21,000r/min     |
| Max.Capacity      | 4x800ml         |
| Timer             | 99h59min        |
| Dimension         | 700x715x420mm   |
| Speed Accuracy    | ±20r/min        |
| Max.RCF           | 30,910xg        |
| Power supply      | AC220V, 50/60Hz |
| Noise             | ≤58dBA          |
| Net weight        | 125KG           |
| Temperature range | -20°C~40°C      |



### Matched Rotors

| Rotor No.                                      | Rotor type                     | Max.Speed (rpm)                  | Max.Volume (ml)                  | Max.RCF (xg)                    |
|--|--------------------------------|----------------------------------|----------------------------------|---------------------------------|
| No30671  | Swing out rotor                | 4,000                            | 4x800ml                          | 3,450xg                         |
| <b>Adapters in 800ml buckets ( round cup )</b> |                                |                                  |                                  |                                 |
| For 5ml tube<br>to do 4x23x5ml                 | For 7ml tube<br>to do 4x23x7ml | For 10ml tube<br>to do 4x19x10ml | For 15ml tube<br>to do 4x14x15ml | For 50ml tube<br>to do 4x5x50ml |
| No30691  | Microplater rotor              | 4,000                            | 2x4x96well                       | 3,210xg                         |
| No30801  | Fixed rotor                    | 21,000                           | 12x1.5/2ml                       | 30,910xg                        |
| No30803  | Fixed rotor                    | 18,000                           | 24x1.5/2ml                       | 29,670xg                        |
| No30844  | Fixed rotor                    | 13,000                           | 48x1.5/2ml                       | 17,930xg                        |
| No30805  | Fixed rotor                    | 16,000                           | 16x5ml                           | 22,020xg                        |
| No30806  | Fixed rotor                    | 16,000                           | 12x7ml                           | 21,380xg                        |
| No30407  | Fixed rotor                    | 10,000                           | 12x15ml                          | 11,840xg                        |

|         |             |        |         |          |
|---------|-------------|--------|---------|----------|
| No30408 | Fixed rotor | 12,000 | 12x10ml | 14,510xg |
| No30811 | Fixed rotor | 13,000 | 6x50ml  | 18,840xg |
| No30813 | Fixed rotor | 12,000 | 4x100ml | 14,850xg |
| No30814 | Fixed rotor | 12,000 | 6x100ml | 16,390xg |
| No30627 | Fixed rotor | 4,000  | 30x15ml | 3,830xg  |
| No30812 | Fixed rotor | 12,000 | 6x70ml  | 15,570xg |

