

**Table Top Refrigerated Centrifuge Specification**

- **Maximum Speed:** approx 18000 rpm and 30000 g.
- **Temperature Range:** -10°C to 40°C.
- **Control System:** Microprocessor-controlled with direct brushless induction drive.
- **Timer Range:** Maximum of 99 hours 59 minutes, continuous operation.
- **Rotor Compatibility:** Must support swinging bucket, fixed angle, and microplate rotors for current and future lab needs.
- **Certifications:** UL Listed, CE marked, IVD compliant, and certified for biocontainment.
- **Sample Compatibility:**
  - 4 standard or 2 deepwell microplates
  - PCR strips and hematocrit capillaries
- **Rotor Installation:** Tool-free installation and removal in less than 5 seconds.
- **Biocontainment:** Buckets and rotor sealing lids must be certified by a globally recognized third-party lab.
- **Bucket Lid Design:** Must operate without spring clips or metal components.
- **Tube Capacity:**
  - Up to 24 x 5ml or 7ml blood collection tubes, and 16 x 10ml blood collection tubes in certified sealed conditions.
  - Up to 8 x 50ml or 15ml disposable conical tubes.
  - Up to 30 spin columns in a certified sealed angle rotor.
  - Up to 12 microtubes in a swinging bucket rotor with a maximum g-force of approx. 16000 xg.
  - At least 6 x 50ml or 15ml conical tubes in a biocontainment-certified angle rotor.
- **Swingout Rotor:** Capable of spinning samples approx 16,000 xg.
- **Design:** Low profile for easy access.
- **Program Capacity:** Minimum of at least 3 direct program buttons, plus multiple additional programs with alphanumeric naming.

**Rotors/Adapters Required:**

1. **Fixed Angle Rotor:**
  - Minimum Capacity: 6 x 50ml
  - Auto Lock Rotor Exchange

- Maximum Speed: approx. 9000 rpm and 12000 g
- Adapter: 6 x 15ml conical tubes

**2. Fixed Angle Rotor:**

- Minimum Capacity: 24 x 1.5/2ml
- Auto Lock Rotor Exchange
- Maximum Speed: Approx 18000 rpm and 30000 g

**3. Swingout Rotor:**

- Capacity: 4 x 145ml
- Maximum Speed: approx. 4500 rpm and 3000 g
- Auto Lock Rotor Exchange
- Adapters: 4 x 50ml conical tubes & 8 x 15ml conical tubes

**Warranty:** 5 years.

**Installation Detail-** Submit a minimum of 10 top government institutions' installation reports of similar machines in the last 5 year