

Ultra Speed Vacuum Centrifuge

Ultra4.0 Supra 35K

Product Features

- biocontaminant - individually sealed tube holder option
- Carbon fiber-not corroded by laboratory chemicals, less frequent need for replacement
- Saves time-faster acceleration and deceleration, shorter run times
- Lightweight-less wear in centrifuge driver, easier to lift and handle than comparable metal rotors.
- Seven year Warranty -with no deration.
- No deration deration not required when using adapters
- Autoclavable
- Versatile can be run in either high speed or ultra speed centrifuge
- Flexible -Adapters permit the use of 38.5ml, 13.5ml centrifuge and 1.5ml micro centrifuge tubes.
- DNA Purification with CsCl₂



Performance	Ultra 4.0	Supra 35K
Max. Speed	40,000rpm	35,000rpm
Max. RCF	207,000 Xg	158,046 Xg
Max. Capacity	6x250ml	6x250ml
Temp. Range	-20 deg.C to +40 deg.C	-20 deg.C to +40 deg.C

Ultra 4.0, Supra 35K

Oil Circulation

Oil Circulation has been employed Instead of grease for lubrication of bearings, which leads to durable and reliable performance by protecting being from corrosion abrasion and heat.

Automatic suction oil Supply

The Ultra4.0 does not need an external oil pump because of its automatic suction oil pump because of its automatic suction oil-supply which results in simple design and maintenance free use.

Furthermore, clean oil can be maintained by filtration using centrifugal force, and the proper volume of oil supplied can be controlled.

Spinning amateur in a vacuum

A vacuum enables the amateur spin at ultra high speeds, thus avoiding the use of a vacuum sealing device that results in frequent maintenance. A spinning amateur at ultra-high speed in a vacuum makes it possible to centrifuge at a much higher speed.

Self-Locking System

When a rotor is installed, it should be tightened to spindle with a bolt.

There is a self-locking system in case users forget to tighten the rotor to the spindle of the centrifuge. The self-locking system is triggered by centrifugal force while spinning and prevents the rotor from dis-assembling from the spindle.

Direct Drive System

Since the Ultra3.5 has employed a direct drive system instead of a coupling a small system instead of a coupling a small motor can be effective for ultra speed centrifugation. therefore air cooling instead of water cooling is enough to remove the heat generated by the motor.



In-Direct IR Speed sensor

Since the reflection plate under neath the rotor is used for over speed detection or rotor recognition by means of an infra red sensor, the speed error limit is very small.



Self balancing by means of Gyro moment

Since Gyro moment with a flexible shaft adjusts the center of rotation by it self, moving the center of rotation to it s ideal position can minimize the vibration caused by imbalance of samples. This leads to long -life for centrifuge bearings.



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