Centrifuge Machine 800D Specifications

The Centrifuge Machine 800D is a compact and efficient device designed for various separation applications using centrifugal technology. This machine utilizes centrifugal force to separate components in mixtures based on their density, size, and shape. It's widely used in biochemical research, clinical labs, and industrial applications to isolate and purify substances such as cells, plasma, DNA, proteins, viruses, and bacterial cultures (e.g., Escherichia coli). The centrifugal method allows for the effective separation of heterogeneous mixtures, making it an essential tool in scientific research and laboratory settings.

Product Details

SKU: 3533385

Brand: --

Unit: SET

Barcode Type: C128

Available Locations: Altools Services

Category: Laboratory Equipment

Subcategory: Centrifuges

Manage Stock?: Yes

Reorder Quantity: 2

Expires In: Not Applicable

Applicable Tax: None

Selling Price Tax Type: Exclusive

Product Type: Single

Key Features

- High-Speed Performance: Achieves a maximum speed of 4000 RPM for fast and efficient separation.

- Adjustable Timer: Equipped with a 0-60 minute timer to cater to specific application needs.

- Brushless Motor: Quiet, efficient operation with reduced maintenance.

- Safety Mechanisms: Includes automatic lid stop, over-speed protection, and imbalance detection.

- Versatile Rotor Capacity: Accommodates 6 x 20ml test tubes, ideal for medium-volume operations.

Main Technical Specifications

Maximum Speed: 4000 RPM

Maximum RCF: 1790 × g

Rotor Capacity: 6 x 20ml test tubes

Power Supply: 220V/50Hz or 110V/60Hz

Timer: 0 - 60 minutes (adjustable)

Motor Type: Brushless motor

Safety Features: Automatic stop when the lid is opened during operation, Over-speed protection, Imbalanc

Applications

- Biochemical Research: Isolating DNA, RNA, proteins, ribonucleoprotein complexes, and other biomolecules.

- Medical Laboratories: Separation of plasma from blood samples and collection of cells for analysis.

- Industrial Use: Clarifying liquids and separating bacterial cultures such as Escherichia coli.

- Virology: Isolation of viruses for research and clinical purposes.