

Gerber Centrifuge, 8x30mL, 1500 rpm



Gerber Centrifuge MSGB15RZ50SWISS

This centrifuge is a versatile instrument primarily used for determining fat content in milk within the **dairy industry**. It also finds applications in other industries, such as food, medical, and environmental testing. Its robust design and safety features make it suitable for **research and industrial applications**.

Key Applications

- **Dairy Industry:** Fat content determination in milk.
- **Food Industry:** Various fluid separations.
- **Medical Industry:** Separation of blood, urine, and other biological fluids.
- **Pharmaceutical Industry:** Separation and purification of proteins, enzymes, and biomolecules.
- **Environmental and Industrial Testing:** Separation of fluids into their component parts.

Features & Design

Centrifuge Performance

- **Max Speed:** 1500 rpm
- **Max RCF:** 380 xg
- **Capacity:** 8 x 30 mL Gerber tubes
- **Matched Rotor:** Fixed-angle rotor

Four Methods for Milk Fat Testing

1. Gerber method
2. Ross method
3. Pasteur method
4. Solubility method

Heating Function :

- Ensures temperature above **50°C** during centrifugation, enhancing the reliability of fat content testing and reducing sample preparation time.

Technical Specifications

- **Speed Range:** 0-1500 rpm (adjustable)
- **Speed Accuracy:** ± 10 rpm
- **Max Capacity:** 8 x 30 mL Gerber tubes
- **RCF Range:** 380 xg
- **Display:** LCD screen displaying rotor number, speed, time, temperature, centrifugal force, and other details.
- **Temperature Range:** Room Temp.+35? to 80?
- **Time Range:** 0-99 minutes 59 seconds
- **Noise Level:** ? 60 dB(A)
- **Acceleration/Deceleration Rates:** 0-9 levels

- **Dimensions:** 600 x 470 x 370 mm
- **Motor:** Frequency Converter Motor
- **Net Weight:** 50 kg (without rotor)
- **Power Supply:** AC220V, 50Hz, 5A, 750W

Design & User-Friendly Features

- **Housing & Chamber:**
 - **Metal housing** and **304# stainless steel chamber** resistant to detergents and disinfectants.
 - Autoclavable components.
- **Temperature Control:**
 - **Ring heater** provides uniform heating and temperature control to meet experimental requirements.
- **Safety & Monitoring:**
 - Microprocessor control with a frequency conversion A.C. motor drive.
 - **Observational window** on the lid for speed calibration and noise measurement.
 - **Self-diagnosis system** for fault detection and automatic display of errors (e.g., over-speed, overheating, imbalance).
 - **Double-layer sealing rings** ensure long-term sealing.

Safety Features

- **Safety Standards:** Manufactured according to international safety regulations.
- **Electrical Lid Interlock:** Prevents the lid from opening during operation and halts the rotor if the lid is opened.
- **Emergency Lid Release:** Allows the lid to be unlocked in the event of a power failure.
- **Gas Hinge:** Protects against sudden lid drops.
- **Imbalance & Over-Speed Protection:** Ensures operator safety during centrifugation.

Rotor Specifications

- **Angle Rotor:** 8 x 30 mL Gerber tubes
- **Max Speed:** 1500 rpm
- **Max RCF:** 380 xg
- **Material:** PP/PC tube

The **MSGB15RZ50SWISS Gerber Centrifuge** is a user-friendly, highly reliable instrument

ideal for laboratories and industries requiring precise fat content analysis and fluid separation. Its heating function, safety features, and advanced rotor design ensure efficient and safe operation across diverse applications.