

Thermo Scientific MaxQ 4000

Large Incubated and Refrigerated Shaker



APPLICATION:

- Cell culture
- Extraction procedures
- Staining and destaining
- Solubility studies
- Plasmid purification
- Bacterial suspensions
- General mixing
- Hybridizations
- Washing procedures

POINT OF CONTACT and TRAINING:

On the job training (OJT) is required prior to use of this equipment.

Please see Dominique Joyner or Julian Forney for OJT.

Combines Incubated/ Refrigerated Temperatures in an Orbital Shaker with a Spacious Chamber

- Spacious chamber holds six 2L flasks.
- View speed, time and temperature simultaneously.
- Choose from three temperature ranges.
- Clear lid allows sample viewing without disturbing chamber atmosphere.
- Digital operating systems.
- Triple eccentric drive handles heavy loads, provides uniform agitation and continuous 24-hour operation, even at high speeds.
- Monitor and control chamber temperature range with $\pm 0.1^{\circ}\text{C}$ accuracy at 37°C .
- Variable speed control from 15 to 500 rpm.
- Continuous/timed operation from 0.1 hour to 999 hours or 0.1 minute to 999 minutes.
- View speed, operating time and temperature simultaneously
- Visual/audible alarms alert you to temperature deviations. Heat turns off if temperature deviates $\pm 1^{\circ}\text{C}$ of set point.
- Shaker shuts down and visual/audible alarms signal if unit operates $\pm 10\%$ of set speed, preventing shaker from walking.
- User-adjustable speed calibration can be performed using a digital handheld tachometer, where verification is required and protocols can be standardized.
- Unbalanced load sensor stops platform motion when excess vibration is detected and visual/audible alarms signal until condition is corrected.
- Soft start feature eliminates sudden starts and stops, splashing of vessel contents or wetting of flask closure.
- Retains parameters during power failure and restarts automatically after power is restored.