LABNET INTERNATIONAL, INC.

PRISM™ R
REFRIGERATED

PRISM™
AIR-COOLED

HIGH-SPEED MICROCENTRIFUGES

Labnet
Labnet International, Inc.

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Prism™ R

Labnet's new *Prism R* has quickly become a worldwide market leader in the refrigerated microcentrifuge category. In spite of its remarkably small footprint, the *Prism R* combines a powerful – yet silent – brushless drive with the most efficient cooling system available. Starting from room temperature, the chamber of the *Prism R* cools to 4ºC in just 8 minutes. Our control panel has been updated from our previous centrifuge models, and features a back-lit Liquid Crystal Display to show running parameters. A large control knob allows quick digital setting of rotor speed, run time and temperature.

The large, easy-to-read display shows all operating parameters at once, and allows the setting and display of rotor speed in RPM or G-Force. Speed can be set through a range of 500 to 13,500 RPM, or 500 to 17,135 x g. The high end of the speed range allows quick pelleting of DNA, Protein and other molecular samples. The digital timer can be set from 0.5 to 99 minutes or continuous, and a convenient "quick" run button can be used for momentary runs.

Labnet's brushless drive technology has been fine tuned in the *Prism R* to deliver fast acceleration and deceleration of the solid, anodized aluminum rotor. This higher performance means faster sample processing and less waiting. The motor isolation system virtually eliminates vibration even at maximum speed with a slightly imbalanced sample load. In the case of a significant imbalance a detection system automatically shuts down operation.

- Powerful refrigerated system and Quick-COOL to 4°C in 8 min.
- Includes easy access rotor (24 X 1.5ml) up to 17,135xg
- Exceptionally quiet and compact
- Optional StripSpin™ adapter for 0.2ml tubes and strips

The *Prism's* uniquely designed 24-place rotor allows easy access to the tops of sample tubes, allowing for faster work flow. The individual tube slots in the solid rotor support tubes along their length to eliminate tube deformation or cracking even at the highest speed settings. In the event of a tube failure, tube pieces and samples are contained within the sample well.

PRISM™

- Unique Multi-Flow air-cooling technology
- Includes easy access rotor with optional StripSpin™ adaptor
- Quiet operation with easy to use control panel
- Quick acceleration and deceleration time

Our latest air-cooled microcentrifuge incorporates knowledge we have developed over 25 years in the centrifuge business. We know that combining high speed performance, quiet operation, and effective air cooling into one compact instrument is not a simple engineering task. But we have achieved this objective with our unique air-flow and motor drive technologies, and are proud to now offer our latest and greatest high speed microcentrifuge: the Labnet *Prism*.

Development of the *Prism* started with feedback from our thousands of Life Science customers worldwide. We summarized this feedback and put our design and development teams to work to create an easy-to-use, high performance centrifuge in a modern and attractive form. Our new secure fit lid latching system combines reliability and safety with easy operation. The updated control panel with a single large control knob and easy to read Liquid Crystal Display provides an intuitive interface for operation. Speed (in RPM or G-Force) and run time can be quickly and accurately set and actual speed and time remaining are displayed during a run.

The *Prism* Microcentrifuge offers a maximum speed of 15,000 rpm / 21,200 x g for very efficient separation of nucleic acids and protein samples. Quick acceleration and deceleration reduce processing time, and our unique "multi-flow" air cooling system keeps the rotor and samples close to ambient temperature with minimal noise.

Easy Access Rotor

The rotor is designed to hold all standard 1.5/2.0ml tubes (both conical bottom and skirted), and the snap on lid offers space for micro-filter filters that fit into the tops of the tubes. Adapters are available for processing smaller tubes, and our exclusive *StripSpin Adapter* fits onto the top of the rotor for centrifuging standard 8-tube PCR strips.

Specifications and Ordering Information

PRISM SPECIFICATIONS

Speed Range	500 to 15,000 rpm
Maximum RCF	21,200 x g
Maximum Capacity	24 x 1.5/2.0 ml
Timer	0.5 to 99 minutes OR continuous "Quick" button for momentary operation
Temperature Range	N/A
Dimensions (WxDxH)	24 x 35 x 19 cm
Weight	21 lb (9.6 kg)
Electrical	120V~, 60Hz or 230V~, 50Hz

PRISM R SPECIFICATIONS

Speed Range	500 to 13,500 rpm
Maximum RCF	17,135 x g
Maximum Capacity	24 x 1.5/2.0 ml
Timer	0.5 to 99 minutes OR continuous "Quick" button for momentary operation
Temperature Range	-10°-40° C
Dimensions (WxDxH)	27.7 x 45 x 24.75 cm
Weight	44 lb (20 kg)
Electrical	120V~, 60Hz or 230V~, 50Hz

PRISM ORDERING INFORMATION

Catalog No.	Description
C2500*	Prism air-cooled microcentrifuge with 24 place rotor, 120V
C2500-R*	Prism R refrigerated microcentrifuge with 24 place rotor, 120V
C2400-SS	StripSpin™ adapter for 0.2 ml tubes and strips
C1205	Individual adapters for 0.5/0.6 ml tubes, pk of 6
C1206	Individual adapters for 0.4/0.25 ml tubes, pk of 6
C1222	Individual adapters for 0.2 ml thermal cycling tubes, pk of 6

* For 230V units, add -230V to the end of catalog number.
230V includes both EU and UK power cords.

CE

Labnet is distributed By:

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