

# ProBlot™ Hybridization Ovens



CE marked and CSA compliant

- Excellent temperature uniformity and accuracy
- Interior outlets for powering small equipment
- Drip pans to catch and clean spills
- Wide variable speed range
- Broad temperature range
- Adjustable rotisserie

# ProBlot™ Hybridization Ovens

Labnet's line of *ProBlot* Hybridization Ovens includes a model to meet every capacity requirement and budget. The *ProBlot* rotisserie and incubation system provides the perfect environment for consistent results and low background. Each model is designed for ease of use and protection of the user from hazardous reagents.

The rotisserie speed in Labnet's ovens is continuously variable, allowing the user to select the optimum speed for both hybridization and washing of blots. The adjustable axis in all models holds bottles perfectly horizontal, or slightly offset to produce a tumbling motion. Our durable, heavy-walled, leakproof bottles greatly reduce the user's exposure to the beta emissions from <sup>32</sup>P. A variety of different sized bottles are available. Using the proper sized bottle conserves reagents and expensive probes. Many of the standard 35mm rotisseries also accept 50ml tubes, eliminating the need to purchase an additional rotisserie.

Reproducible results are ensured by the extremely uniform and accurate temperature environment within the *ProBlot* Ovens. Warm air is circulated throughout the oven chamber by mechanical convection, while heat input is regulated by a microprocessor. Set temperature is reached rapidly as is recovery after opening the oven door. Temperature is set quickly and easily via the membrane keypad. All of the ovens are equipped with an integral viewing area in the door so that chamber contents can be observed without disturbing the temperature environment.

## Standard Hybridization Ovens



### ProBlot™ 6, 12 and 24

These standard ovens meet the capacity demands of medium to high throughput laboratories. The *ProBlot* 6, 12 and 24 hold six, twelve and twenty-four large bottles respectively. They also accommodate twice the number of small bottles. The standard rotisseries in these ovens are unique in that they will hold 50ml tubes, eliminating the need to purchase a separate rotisserie for processing strips and small blots.

The *ProBlot* 24 features two independently controlled chambers, allowing for separate applications to be carried out simultaneously within the same unit. The over-under chamber construction saves considerable bench space.

All three of the standard ovens feature a corrosion resistant stainless steel interior. Each is equipped with a grounded interior electrical outlet for powering small accessory equipment\*. Optional accessories include a rocking platform, rotisserie for 70mm bottles, and a rotisserie for vertically positioned 50ml tubes. The availability of the accessories combined with the broad temperature range of these ovens, make them useful for hybridization and washing of blots as well as other applications requiring strict temperature control.

Each standard oven is supplied with two large bottles and one pack of mesh. A rotisserie for 35mm bottles and a drip pan is installed in each oven chamber.

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### Specifications\*\*

**Catalog number**

**Bottle capacity**

**Rotisserie/rocker speed**

**Temperature range**

**Temperature control/display**

**Temperature resolution/uniformity**

**Exterior dimensions (WxDxH)**

**Chamber dimensions (WxDxH)**

#### ProBlot 6

H-0600A

6 large, 12 small

4 to 20rpm

Ambient +5° to 80°C

Microprocessor/digital

0.1°±0.5°C

19x17.5x19.5 in.

14.5x11x13.5 in.

#### ProBlot 12

H-1200A

12 large, 24 small

4 to 20rpm

Ambient +5° to 80°C

Microprocessor/digital

0.1°±0.5°C

19x17.5x19.5 in.

14.5x11x13.5 in.

#### ProBlot 24

H-2400A

24 large, 48 small

4 to 20rpm

Ambient +5° to 80°C

Microprocessor/digital

0.1°±0.5°C

24.7x16.6x32 in.

14.5x11x13.5 in.

\*115V units only.

\*\*See back page for information on bottles and other accessories

## Deluxe Hybridization Oven



### Specifications\*

<b>Catalog number</b>	H-1200-SA
<b>Bottle capacity</b>	12 large, 24 small
<b>Exterior dimensions (WxDxH)</b>	19x17.5x19.5 in.
<b>Chamber dimensions (WxDxH)</b>	14.5x11x13.3 in.
<b>Temperature range</b>	Ambient +5° to 80°C

\*See back page for information on bottles, platforms and other accessories

## ProBlot™ 12S

More than just a hybridization oven, the *ProBlot* 12S has an orbital shaking mechanism built-in to the base, expanding its use to a variety of other applications. The rotisserie in the *ProBlot* 12S will hold 12 large or 24 small bottles as well as 50ml tubes. The base of the shaker accommodates plates and dishes. The flask platform, available separately, is supplied complete with 6 x 250ml flask clamps. An optional rocking platform is also available for use in the chamber when the rotisserie is removed. The shaker, rotisserie and rocking platform are controlled by a 2 hour timer with a hold position for continuous operation.

The *ProBlot* 12S is supplied with two large bottles, one pack of mesh, a 35mm rotisserie and a drip pan. Optional accessories include the flask platform with clamps, rocking platform and rotisseries for other sizes of bottles.

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<b>Temperature resolution/uniformity</b>	0.1°±0.5°C
<b>Temperature control/display</b>	Microprocessor/digital
<b>Rotisserie/rocker speed</b>	4 to 20rpm
<b>Shaker speed</b>	10 to 300rpm
<b>Timer</b>	2 hours max. with hold

## Personal Hybridization Oven



### Specifications\*

<b>Catalog number</b>	H-0100
<b>Bottle capacity</b>	4 small
<b>Rotisserie/rocker speed</b>	4 to 20rpm
<b>Temperature range</b>	Ambient +5° to 80°C

\*See back page for information on bottles and other accessories

## ProBlot™ Jr.

For low throughput laboratories on a tight budget, the *ProBlot* Jr. is a logical choice.

The *ProBlot* Jr. is a unique, personal sized oven. Requiring less than one square foot of benchspace, it has a capacity for four small bottles. The oven is portable and easily moved as needed. The acrylic door opens upward for easy sample access. Optional rotisseries hold 15 and 50ml tubes. Standard accessories include two small bottles, one pack of mesh, a 35mm rotisserie and a drip pan.

CE marked and CSA compliant

<b>Temperature control/display</b>	Microprocessor/digital
<b>Temperature resolution/uniformity</b>	0.1°±0.5°C
<b>Exterior dimensions (WxDxH)</b>	10.75x11.25x7.25 in.
<b>Chamber dimensions (WxDxH)</b>	6.5x6.x6.5 in.

## ProBlot™ Bottles, Bottle Stand and Hybridization Mesh



All *ProBlot* Hybridization Systems are supplied with a starter kit containing 2 of Labnet's *ProBlot* bottles and a pack of hybridization mesh. The bottles are constructed of heavy walled borosilicate glass with a flat bottom. The high temperature caps have a Teflon seal for leakproof performance. Bottles, caps and seals are resistant to all common hybridization reagents, including PEG. The 35mm diameter bottles are available in a variety of lengths. A convenient stand stores bottles upright when not in use.

The hybridization mesh is used to separate stacked membranes and aid in the flow of hybridization solutions between them. It also prevents membrane to membrane contact in areas of overlap and aids in the handling of blots. The mesh is available in convenient precut sheets and 40 yard rolls.

### Ordering Information - Bottles and Mesh

Catalog no.	Description	Catalog no.	Description
B-3007	Standard XL hybridization bottle, 70x300mm	B-2753	Small hybridization bottle, two 75mm chambers
B-1507	Short XL hybridization bottle, 70x150mm	B-0753	Extra small hybridization bottle, 75x35mm
B-3003	Large hybridization bottle, 300x35mm	B-1500-CAP	Replacement cap with Teflon seal
B-3003-PC	Large hybridization bottle, plastic coated	B-1500-SEAL	Replacement Teflon seals, pack of 10
B-3003-DC	Large hybridization bottle, caps on both ends	B-1124	Bottle rack for six 35mm diameter bottles
B-2503	Medium hybridization bottle, 250x35mm	H-9088	Large hybridization mesh, 23x23cm, pack of 5
B-1503	Small hybridization bottle, 150x35mm	H-9089	Small hybridization mesh, 10x15cm, pack of 5
B-1503-PC	Small hybridization bottle, plastic coated	H-9090	Roll of hybridization mesh, 40in.x5yards

## ProBlot™ Hybridization Oven Specifications and Accessories



	<b>ProBlot Jr.</b> <b>(H-0100)</b>	<b>ProBlot 6</b> <b>(H-0600A)</b>	<b>ProBlot 12</b> <b>(H-1200A)</b>	<b>ProBlot 12S</b> <b>(H-1200-SA)</b>	<b>ProBlot 24</b> <b>(H-2400A)</b>
<b>Bottle capacity (large/small)</b>	4 small	6/12	12/24	12/24	24/48
<b>Rotisserie/rocker speed</b>	4 to 20rpm*	4 to 20rpm	4 to 20rpm	4 to 20rpm	4 to 20rpm
<b>Shaker speed</b>	-	-	-	10 to 300rpm	-
<b>Maximum temperature</b>	80°C	80°C	80°C	80°C	80°C
<b>Temperature uniformity</b>	±0.5°C	±0.5°C	±0.5°C	±0.5°C	±0.5°C
<b>35mm tube rotisserie</b>	Supplied	Supplied	Supplied	Supplied	Supplied
<b>15ml tube rotisserie (for twelve tubes)</b>	H-0100-50	-	-	-	-
<b>50ml tube rotisserie (for eight tubes)</b>	H-0100-15	**	**	**	**
<b>50ml vertical rotisserie (for twelve tubes)</b>	-	H-1212-40VA	H-1212-40VA	H-1212-40VA	H-1212-40VA
<b>Rocking platform</b>	-	H-1200-RA	H-1200-RA	H-1200-RA	H-1200-RA
<b>Shaking platform***</b>	-	-	-	H-1200-250A	-
<b>70mm rotisserie (for four 70x300mm bottles)</b>	-	H-1204-80A	H-1204-80A	H-1204-80A	H-1204-80A

\*Rotisserie speed only - rocking platform not available

\*\*Standard rotisserie supplied with oven holds 50ml tubes as well as 35mm diameter bottles

\*\*\*Supplied complete with six 250ml flask clamps

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