

HYBRIDIZATION

BELLY DANCER/ HYBRIDIZATION WATER BATH

Designed Expressly for Gels and Blotting

The Belly Dancer/Hybridization water bath offers ideal benchtop temperature control and orbital mixing in one versatile unit. The lightweight thermostat-controlled water bath is designed for use on the Belly Dancer platform and its controls are integrated into the Belly Dancer. The ideal instrument for:

- Northern and Southern blots.
- high stringency filter washing.
- *in situ* hybridization.
- hot staining and destaining protocols.

Microprocessor controls provide precise temperature setting and maintenance: ± 0.1 °C over the range 35-72 °C. Quick heating: 3 °C per minute. Safety features include independent thermal runaway switch and gabled 3/16" PETG lid to reduce evaporation and provide β -radiation shielding. Chamber is stainless steel with rounded corners for easy cleaning.



Product Code	Product Description	Quantity
Z36.762-1	115V AC, 50-60 Hz	1 Each

BIOBOND™ NYLON MEMBRANE

Sizes for All Your Blotting Needs

BioBond is a neutral, supported, untreated nylon membrane especially suited for non-radioactive Southern and Northern blotting, dot blots, and colony lifts.

Features

- Controlled 0.45 μ m pore size and high void volume for minimal resistance to flow and high diffusion rates.
- Allows for high sensitivity detection in both DNA and RNA blotting.
- Nucleic acids can be bound to the membrane by either UV cross-linking or baking.
- Inherent hydrophilicity ensures instantaneous water wetting; no pre-wetting needed.
- Specially gridded interleaf for accurate cutting of rolls and sheets.

Product Code	Product Description	Quantity
N 1406	Sheet: 11.9 cm x 7.8 cm	20 Each 50 Each
N 4031	Sheet: 12.5 cm x 8 cm	20 Each 50 Each
N 3656	Sheet: 15 cm x 20 cm	10 Each
N 3781	Sheet: 20 cm x 20 cm	2 Each 10 Each
N 3906	Sheet: 30 cm x 60 cm	5 Each
N 4156	Disk: 82 mm	50 Each
N 4281	Disk: 132 mm	50 Each
N 4406	Disk: 137 mm	50 Each
N 1281	Roll: 20 cm x 3.5 m	1 Each
N 8531	Roll: 20 cm x 12 m	1 Each
N 1031	Roll: 30 cm x 3.5 m	1 Each
N 1156	Roll: 30 cm x 12 m	1 Each

BIOBOND-PLUS™ NYLON MEMBRANE

Superior Signal-to-Noise Ratio

BioBond-Plus is a positively charged, supported, derivatized nylon membrane especially suited for radioactive Southern and Northern blotting, dot blots, and colony lifts.

Features

- Controlled 0.45 μ m pore size and high void volume for minimal resistance to flow and high diffusion rates.
- Superior signal-to-noise ratio for high sensitivity and extremely low background.
- Strong DNA binding can be achieved without UV light or baking.
- Specially gridded interleaf for accurate cutting of rolls and sheets.

Product Code	Product Description	Quantity
N 5281	Sheet: 11.9 cm x 7.8 cm	20 Each 50 Each
N 5781	Sheet: 12.5 cm x 8 cm	20 Each 50 Each
N 5406	Sheet: 15 cm x 20 cm	10 Each
N 5531	Sheet: 20 cm x 20 cm	2 Each 10 Each
N 5656	Sheet: 30 cm x 60 cm	5 Each
N 6031	Disk: 82 mm	50 Each
N 6156	Disk: 132 mm	50 Each
N 8656	Disk: 137 mm	50 Each
N 5031	Roll: 20 cm x 3.5 m	1 Each
N 4781	Roll: 30 cm x 3.5 m	1 Each
N 4906	Roll: 20 cm x 12 m	1 Each

HYBRIDIZATION

CORNING® FILTER PLATES, 96-WELL

Simplify Your DNA Purification

The new Corning filter plate meets the proposed SBS standard footprint. The rigid side walls make the plate ideal for automation and the wide skirt accepts bar-codes. Individual filter disks are encapsulated in the plate by a special over-molding process to ensure 100% integrity of each well. The design of the nozzle prevents cross-contamination. The Glass Fiber Filter Plates can be used for a variety of applications, e.g. plasmid isolation, DNA purification, or receptor/ligand binding assays. Use the low-binding hydrophilic PVDF membrane for protein kinase assays or for bead or resin based separation assays.



Product Code	Product Description	Quantity
F 4926	PVDF Membrane (0.2 µm) White Polystyrene Corning 3504	50 Each
F 5051	PVDF Membrane (0.2 µm), Sterile White Polystyrene Corning 3505	50 Each
F 5176	Glass Fiber Filter (0.25 µm) White Polystyrene Corning 3510	50 Each
F 5301	Glass Fiber Filter (0.66 µm) White Polystyrene Corning 3511	50 Each
M 4063	Volume adapter Corning 3584	50 Each

STOVALL HO-10 HYBRIDIZATION OVEN

Small Economical Footprint

Seamless stainless steel chamber for easy cleaning and safe containment of spills. Rapid heating and recovery. Thermal fuse is separate from the temperature controller which protects against thermal runaway. Microprocessor control has two digital displays; setpoint and oven temperature. Interchangeable carousels for versatility. Belt clutch protects motor and bottles if anything interferes with rotation.

Unit is supplied with two 35 x 300 mm and two 35 x 150 mm borosilicate bottles with caps, one roll of Nylon mesh (25 x 182 cm), and a carousel for 35 mm I.D. bottles.

Features

- Capacity: 10 bottles (35 x 300 mm)
20 bottles (35 x 150 mm).
- Heating rate: 3-9 °C/min (depending on loading
[Each 65° C in as little as 5 min]).
- RPM: 0-22 (variable speed).
- Temp. control: ±0.1 °C.
- Temp. range: ambient + 5-95 °C.
- External dimensions 17.2 in (W) x 13.5 in (D) x 18.2 in (H).



Product Code	Product Description	Quantity
Z37.476-8	115V AC, 50-60 Hz	1 Each

HYBRIDIZATION

TECHNE® HB-3D HYBRIDIZATION OVEN

Space Saving Unit

HB3D is suitable for most blotting techniques including Southern, Northern and Western blots using either radioactive or fluorescent probes. This bench standing unit accommodates a full range of hybridization vessels held within the heated chamber. Access to the chamber is via a heavy-duty lift-up canopy, which gives extra protection during use. Wide neck vessels allow easy insertion/removal of membranes. Using the largest tube available, membranes of up to 228 mm can be used.

Product Code	Product Description	Quantity
H_8033	115-120V AC, 60 Hz	1 Each

Specifications

- Temperature range: 7 °C above ambient to 85 °C.
- Temperature stability: ± 0.5 °C in oven; ± 0.2 °C in tubes.
- Temperature uniformity: better than ± 3 °C in oven; ± 0.5 °C in tubes.
- Tube warm-up time: 35 min within tubes.
- Heater power: 750W.
- Speed of rotation: 4 RPM (±1) dependent on supply frequency.
- Tube capacity: 3 large, 9 small or 12 mini tubes.
- External dimensions: Depth x Width x Height — 555 mm x 325 mm x 375 mm.

HYBRI-SLIPS™

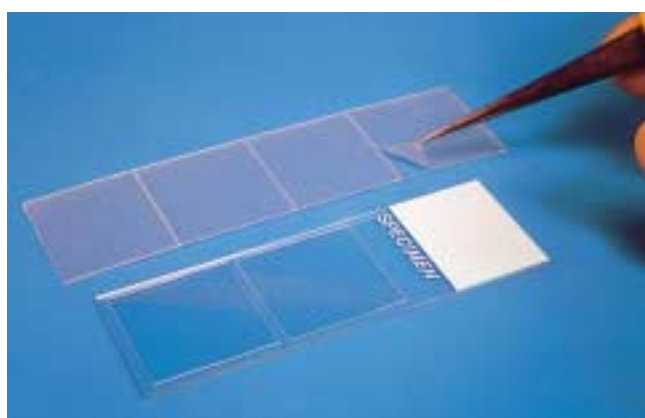
Ideal for in-situ Hybridization

Hybri-slips are hydrophobic cover slips for hybridization, *in situ*, PCR, and hybridization to genomic arrays on glass slides.

Features and Benefits

- Constant probe concentration — Unlike glass cover slips, Hybri-slips do not adsorb probes.
- Ready-to-Use — Hybri-slips do not require pre-treatment prior to use.
- Avoid RNA degradation — Hybri-slips are supplied RNase-free and are protected from contamination by clean-release liners.
- Durable — Hybri-slips remain flat even at elevated temperatures.

Product Code	Product Description	Quantity
Z36,590-4	Size: 22 mm x 22 mm	100 Each
Z36,591-2	Size: 22 mm x 40 mm	100 Each
Z37,027-4	Size: 22 mm x 60 mm	100 Each
H_1034	Size: 24 mm x 40 mm	100 Each
H_0784	Size: 24 mm x 60 mm	100 Each
H_0909	Size: 45 mm x 50 mm	50 Each



HYBRIDIZATION WATER BATH, REMOTE-CONTROL

Fast Heating and Light-Weight

The Stovall Water Bath provides the bench scientist a water bath that is useful for dozens of different applications. When used in conjunction with the Belly Dancer Shaker, the water bath provides the ideal agitation for Northern and Southern blot hybridization and stringency washes as well as *in situ* hybridizations, electrophoretic gel manipulations, hot staining protocols and numerous other applications. Used by itself, the bath is well suited for many common protocols not needing agitation such as inactivation of sera, enzyme digests, quantitative protein assays and DNA sequencing.

Product Code	Product Description	Quantity
Z36,765-6	115V AC, 50-60 Hz	1 Each



HYBRIDIZATION

MODULAR HYBRIDIZATION SYSTEM

Assemble Your Own Chambers

Reusable, press-to-seal gasket and cover slip enclosures which can be quickly assembled and disassembled for hybridizing and imaging thick or free floating specimens of any thickness with up to a 13 mm diameter. Build up to three chambers per slide. Minimize specimen handling, eliminate evaporation and leaking even when submerged. RNase-free, ready to use for multiple incubations and agitated washing steps.

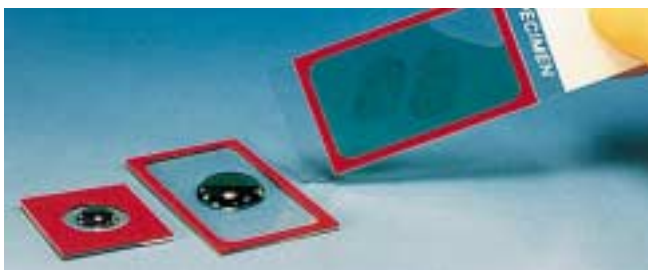


Product Code	Product Description	Quantity
H 1909	Assortment pack contains seal tabs, 5 ea A-D & 10 Each E	1 Each
H 1784	Adhesive module A, 0.6 mm depth	25 Each
H 2159	Imaging module B, 0.7 mm depth	25 Each
H 2284	Perfusion module C, 0.7 mm depth	25 Each
H 2409	Screen module D, 0.7 mm depth/mesh size 1.6 mm	25 Each
H 2034	Depth module E, 1.3 mm depth	25 Each
H 0659	Adhesive seal tabs	120 Each

PROBE-CLIP PRESS-SEAL INCUBATION CHAMBERS

Easily Removed and Reusable

Probe-Clips are made of optically clear hydrophobic plastic bonded to a durable silicone gasket. A sealed chamber is formed when a Probe-Clip and a microscope slide are pressed together. Excellent for probe incubation, cytochemistry, blocking, etc. No evaporation, even for incubations of several days' duration. Cross-contamination and spills are eliminated.



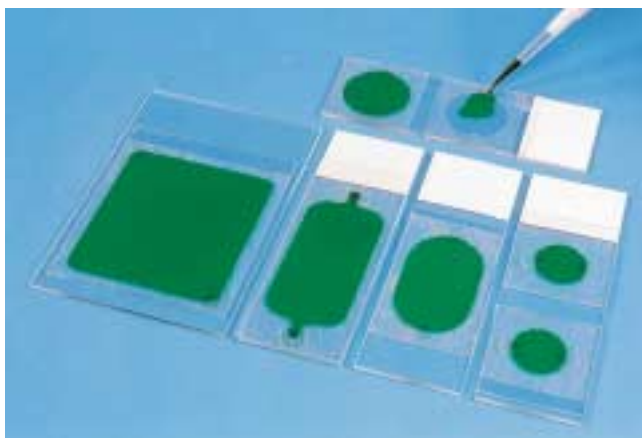
Product Code	Product Description	Quantity
Z36,157-7	Size: 13 mm 20 ml chamber volume	25 Each
Z35,945-9	Size: 13 mm 50 ml chamber volume	50 Each
Z35,947-5	Size: 22 mm x 40 mm 200 ml chamber volume	25 Each
Z35,946-7	Size: 22 mm x 40 mm 500 ml chamber volume	50 Each
Z35,948-3	Holder for water bath incubations Holds one Probe-Clip with slide attached.	1 Each

PRESS-SEAL HYBRIDIZATION HYBRI-WELL™

Eliminates Evaporation

Hydrophobic cover slip with non-cytotoxic spacer adheres to a microscope slide, forming a chamber with access ports for addition and removal of reagents. RNase-free, heat-resistant, and disposable: ideal for hybridization. Easily removed from microscope slide after hybridization steps.

Product Code	Product Description	Quantity
H 1159	Chamber: 13 mm x 0.15 mm	100 Each
H 1284	Chamber: 20 mm x 0.15 mm	100 Each
H 1409	Chamber: 19 mm x 32 mm x 0.15 mm	100 Each
Z37,028-2	Chamber: 21 mm x 41 mm x 0.15 mm	100 Each
H 1534	Chamber: 22 mm x 40 mm x 0.25 mm	100 Each
H 1659	Chamber: 45 mm x 45 mm x 0.15 mm	50 Each

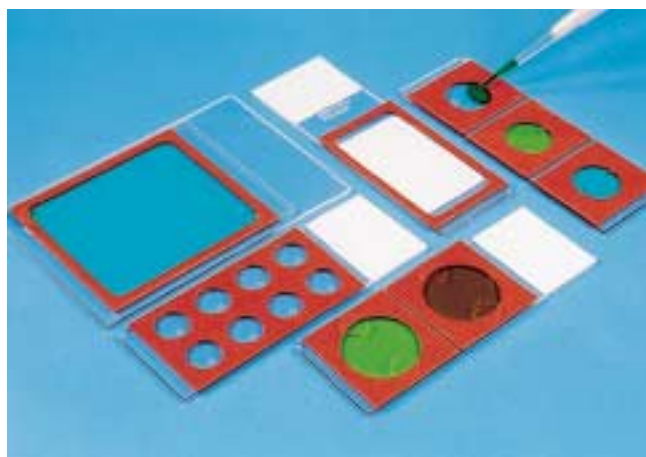


HYBRIDIZATION

SECURE-SEAL™ HYBRIDIZATION CHAMBERS

RNase Free and Ready to Use

Peel-and-stick adhesive enclosures isolate specimens on glass microscope slides. Chamber design minimizes friction, promotes reagent mixing and facilitates uniform hybridization. Sealable ports in the chamber surface allow for addition and removal of reactants. Leak-proof chambers are temperature resistant and eliminate evaporation. Secure-Seal adhesive bonds chambers to glass in seconds and removes cleanly and easily even after heating. RNase-free and ready to use.



Product Code	Product Description	Quantity
C 0850	Size: 20 µl 9 mm x 0.8 mm	20 Each
C 0975	Size: 40 µl 9 mm x 1.3 mm	20 Each
C 5349	Size: 90 µl 13 mm x 0.8 mm	50 Each 200 Each
C 1100	Size: 100 µl 9 mm x 2.3 mm	20 Each
C 1225	Size: 130 µl 9 mm x 2.8 mm	20 Each
C 0475	Size: 200 µl 20 mm x 0.8 mm	40 Each
C 0600	Size: 280 µl 20 mm x 1.3 mm	40 Each
C 0225	Size: 500 µl 20 mm x 2.3 mm	40 Each
C 5474	Size: 620 µl 22 mm x 40 mm x .8 mm	50 Each 200 Each
C 0350	Size: 720 µl 20 mm x 2.8 mm	40 Each
C 0725	Size: 1500 µl 45 mm x 45 mm x .8 mm	20 Each

SLIDE MOAT™ MICROSCOPE SLIDE INCUBATOR

Ideal for Use with Microarray Hybridizations

The apparatus has a tight-fitting tempered glass lid that seals to an integral gasket that minimizes temperature fluctuations and requires only a few drops of water to maintain a saturated atmosphere overnight. With a temperature range of ambient to 100 °C all slide warming procedures and hybridizations can be carried out with up to 30 standard (1 x 3") microarray slides.

Application

- *In situ* Hybridization.
- All single temperature microscope slide incubation procedures.
- Slide warming and drying.
- Immunohistochemistry.

Features

- PID temperature controller for easy temperature selection
- Tempered glass lid which seals with integral gasket on heating base.
- Capacity for 30 standard microscope slides.
- Optional light shield for photosensitive reagents is available.
- Excellent temperature uniformity and stability.
- Slides are easy to handle and see.
- Heating rate: ambient -65 °C (in 20 min).
- Stability: ±0.2 °C (throughout range).
- Temp. range: ambient -100 °C.
- Uniformity: ±0.35 °C (at 37 °C).

We strongly recommend using covered and sealed slides for higher temperatures (>37 °C) or prolonged periods (> 1 hour) incubations. available in EU.

Specification

Dimensions W x D x H	40.6 cm (16") x 34.9 cm (13 3/4") x 14.6 cm (5 3/4")
Net Weight	8.2 kg (18 lbs.)
Shipping Weight	10.4 kg (23 lbs.)
Electrical	115VAC 60 Hz 180 Watts
Heat Up Rate	Ambient to 65 °C in 20 minutes
Uniformity*	± 0.35 °C @ 37 °C; ± 0.7 °C @ 65 °C
Stability**	Typically ± 0.2°C or better throughout operating temperatures
Maximum Temperature	100 °C
Slide Capacity	30 — 1" x 3" (three rows of ten)
Clearance between lid and slide pedestal	1.0 cm

* *Uniformity is the variation in temperature at any 2 locations on the heating plate at any instant in time.*

** *Stability is the variation in temperature at a single point over a long period of time.*



Product Code	Product Description	Quantity
Z38,067-9	115V AC	1 Each