

THE VERSATILITY OF THE STOVALL LOW PROFILE ROLLER™ RENDERS ECONOMIES OF SPACE AND EXPENSE FOR THE RESEARCH LABORATORY

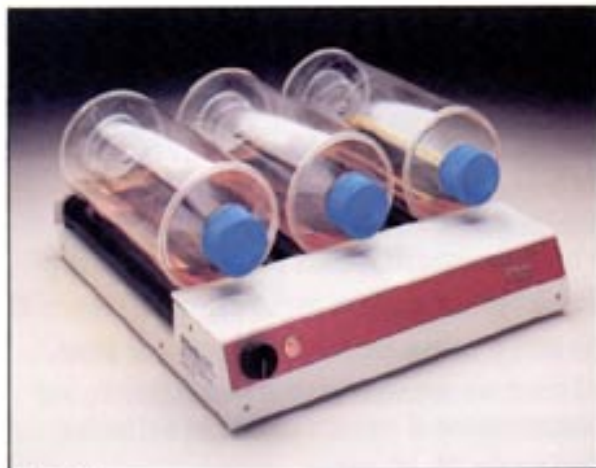
This light weight, low profile roller unit was designed as a compact, space saving, nondedicated instrument which performs multiple functions in the biological research laboratory. It operates on benchtops, in high humidity and CO₂ incubators, high temperature ovens (to 65° C) and in refrigerated units (to 0° C).

Cell Culture. The six rollers supplied with this unit will rotate 3 large (850 cm³) roller bottles at a variable speed of .25 rpm to 8 rpm, allowing excellent cultivation (or stress) of adherent cells. When using the Corning pleated bottles, six culture bottles can be stacked in a pyramid within a CO₂ incubator to accomplish larger scale production of cell products.

Western, Northern and Southern Filter Blot Applications. The Stovall Low Profile Roller also offers to the researcher an economical alternative to the dedicated, rotisserie style dry chambers for hybridization and washing of filters. The roller bottle technique for hybridizations increases the sensitivity of reactions since the filter is completely immersed and drained during each revolution of the bottle and all reactions are complete and uniform. Also the roller technique consumes less reagent than is required with bags.

The Stovall Hybridization Bottles are available in three sizes to accommodate variously sized membranes, from strips to 20x20 cm blots, without overlap of membrane filter. This absence of filter overlap is especially important during the color development step for Westerns where visibility of the entire filter is critical when judging when the reaction should stop.

Blood Products and Small Tubes. The six rollers supplied with the instrument can be moved close together to accommodate small tubes and bottles. By inserting 5 additional rollers, purchased separately, the unit will accommodate up to 30 10x75 mm tubes, turning them at variable speeds between 1 rpm and 67 rpm.



• Cell Culture
Dry or Humid Incubator Environment



• Western, Northern, Southern Blot Applications
Benchtop, Refrigerator or Oven Operation



• Agitation of Small Tubes/Blood Products
Portable for Use in Any Lab Environment.
This unit is pictured with 11 rollers. Six
rollers come with the basic unit.

STOVALL
LIFE SCIENCE, INC

Dunn Labortechnik GmbH



Thalenberg 6 • 52067 Asbach • Tel. 0 26 83 / 4 30 94 • Fax 0 26 83 / 4 27 76
e-mail: info@dunnlab.de • Internet: www.dunnlab.de

FEATURES/BENEFITS:

- The low profile (2 3/8" roller height) design provides a convenient fit into laboratory incubators, ovens and refrigerated units without rearranging shelves or disturbing other materials.
- The very thin, flat power cord reaches external outlets without damaging incubator gaskets.
- The wide ambient operating range – 0° C to 65° C – allows the roller's use in the large variety of lab environments and research protocols.
- The unit is light weight (10.5 lbs.) for easy portability.
- All finishes are chemically resistant and easy to clean and sterilize. All hardware is of stainless steel, delrin or nylon and a high bake ester finish coats aluminum case parts.
- The variable speed control turns the rollers at 1 rpm to 30 rpm.
- No belts or pulleys. Each roller is directly gear driven.
- All rollers are removable to allow ease of cleaning and accommodation of variously sized tubes and bottles.
- Cool running 24v DC motor.



• The Low Profile Roller fits easily into incubators, ovens or refrigerators without rearranging shelves or disturbing other materials.



• Thin, flat power cord reaches external outlets without damaging gaskets.



• Rollers can be removed for cleaning or accommodation of variously sized bottles.



• 1/4" thick acrylic hybridization bottles block beta radiation. Three sizes of bottles accommodate filters or strips.

SPECIFICATIONS:

Overall Dimensions: 14 1/4" wide x 15" deep x 2 3/8" high
(roller height)

Weight: 10.5 lbs.

Ambient Temperature Operation: 0° C to 65° C

Electrical: 115 volt ac 50/60 hz 2 amp slo blo fuse
or
230 volt ac 50/60 hz 1 amp slo blo fuse

Rollers:

diameter:	1 1/8"
circumference:	3.53"
length:	10"
number:	6

Catalog #: 115 volt - ROLAA115S
230 volt - ROLAA220S

Patent Pending