

VWR® Hybridization Ovens and Accessories

For All Types of Hybridization and Incubation Applications

Model 5420, Cat. No. 97005-252, 97005-254

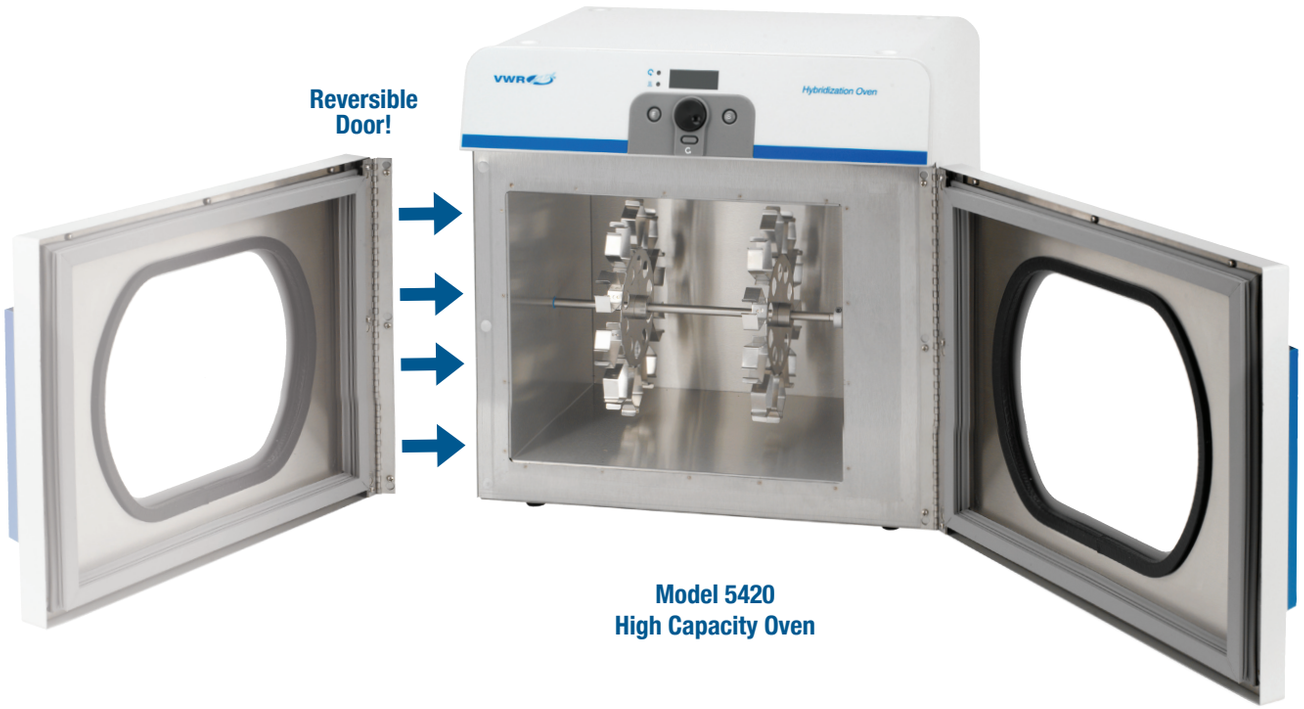
Model 5430, Cat. No. 47746-130, 47746-132

Model 5400, Cat. No. 97019-062, 97019-064

VWR® Rotary Hybridization Ovens and Accessories

VWR International is pleased to offer a complete line of rotary hybridization ovens and accessories to meet almost every hybridization need. Whether you're working with Northern blots, Southern blots, microarrays, or other applications requiring incubation, you'll find a product that works for you from VWR.

The VWR Rotary Hybridization Ovens are designed to provide rapid heat-up, excellent temperature stability, and efficient mixing for all types of hybridization and incubation applications. There are three different ovens to choose from.



Model 5420
High Capacity Oven



Model 5400
Medium Capacity Oven



Model 5430
Space Saving Mini Oven

	Model 5420 High Capacity Oven	Model 5400 Medium Capacity Oven	Model 5430 Space Saving Mini Oven
Catalog Number	**97005-252 (115 VAC)** **97005-254 (230 VAC)**	**97019-062 (115 VAC)** **97019-064 (230 VAC)**	**47746-130 (115 VAC)** **47747-132 (230 VAC)**
Vessel capacity (standard carousel included)*	10 - 35 mm x 300 mm 10 - 35 mm x 225 mm 20 - 35 mm x 150 mm 20 - 35 mm x 100 mm bottles	4 - 35 mm x 300 mm 4 - 35 mm x 225 mm 8 - 35 mm x 150 mm 8 - 35 mm x 100 mm bottles	4 - 50 mL conical tubes
Temperature range	Ambient + 10°C to 100°C	Ambient + 10°C to 75°C	Ambient + 10°C to 80°C
Stability	± 0.5° C	± 0.5° C	± 0.1° C
Accuracy	± 0.5° C	± 0.5° C	± 0.5° C
Heat-up time	Ambient to 65°C in 30 minutes	Ambient to 65°C in 20 minutes	Ambient to 70°C in 25 minutes
Speed	5 to 60 rpm (variable)	5 to 60 rpm (variable)	5 to 60 rpm (variable)
Timer	Up to 99 hr 59 min	Up to 99 hr 59 min	NA
Overall Dimensions (Width x Length x Height)	47.6 cm x 35.9 cm x 47.9 cm (18.75 in x 14.125 in x 18.875 in)	22.9 cm x 59.1 cm x 33.0 cm (9 in x 23.25 in x 13 in)	25.4 cm x 26.7 cm x 16.2 cm (10 in x 10.5 in x 6.5 in)
Chamber Dimensions (Width x Length x Height)	33.7 cm x 24.8 cm x 24.1 cm (13.25 in x 9.75 in x 9.5 in)	17.1 cm x 32.4 cm x 22.2 cm (6.75 in x 12.75 in x 18.75 in)	15.0 cm x 15.0 cm x 14.0 cm (6 in x 6 in x 5.5 in)
Net Weight	19.1 kg (42 lb)	12.5 kg (27.5 lb)	4.4 kg (10 lb)
Shipping Weight	24.5 kg (54 lb)	14.8 kg (32.5 lb)	5.9 kg (13 lb)
Electrical	**115 VAC 50/60 Hz 320 W** **230 VAC 50/60 Hz 320 W**	**115 VAC 60 Hz 290 W** **230 VAC 50/60 Hz 290 W**	**115 VAC 50/60 Hz 90 W** **230 VAC 50/60 Hz 90 W**

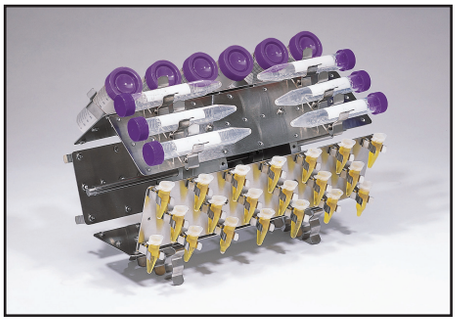
*See the accessories section for carousels that hold different vessels.

Rotary Hybridization Oven Accessories – Maximum Flexibility, Enhanced Productivity

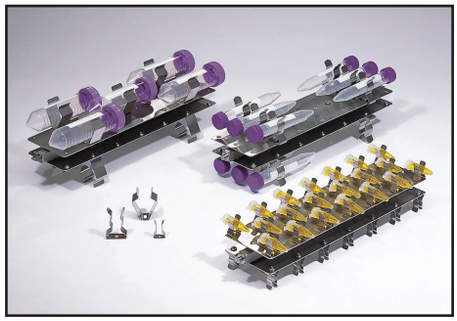
The hybridization Oven Accessories make it possible to accommodate different vessel sizes, types, quantities, and orientations in each VWR hybridization oven. To complete your application needs, we offer a complete range of glass hybridization bottles, large acrylic bottles, and nylon mesh.

Multi-Tube Carousels and Clips 50mL, 15mL, 2.0mL, and 1.5mL tubes

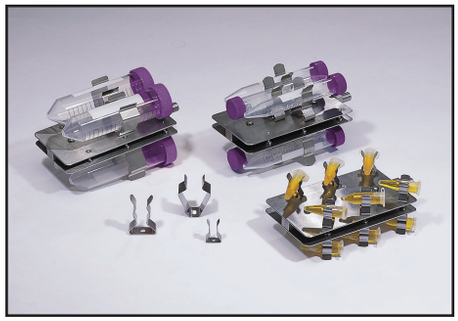
The Multi-Tube Carousels work with a variety of interchangeable clip sizes to hold a combination of 50mL, 15mL, 2.0mL, and 1.5mL tubes, allowing for simultaneous processing of multiple sized tubes. The clips are supplied with mounting hardware, and mount onto the plates on the carousel. Depending on the tube size, the tubes may be positioned horizontally, vertically, or at an angle. For the Model 5420 and the Model 5400 ovens, the Multi-Tube Carousel and clips are sold separately; for the Model 5430 oven, clips are included with the Multi-Tube Carousel.



Multi-Tube Carousel for Model 5420



Multi-Tube Carousel for Model 5400



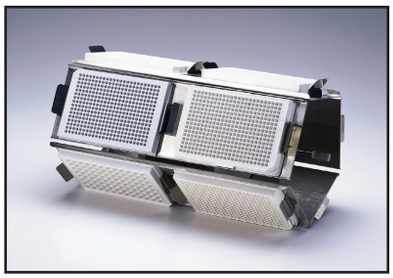
Multi-Tube Carousel for Model 5430

No. of Plates on Carousel	Tube Sizes Held	Maximum No. and Orientation of Tubes per Plate	Total No. of Tubes Held	Corresponding Clips (Bags of 50)
Multi-Tube Carousel for Model 5420 Hybridization Oven Cat. No. 47746-112				
5	50 mL	5 - Horizontal 6 - Vertical	25 30	**Cat. No. 47746-122**
	15 mL	6 - Horizontal 7 - Vertical	25 30	**Cat. No. 47746-124**
	2.0/ 1.5 mL	20 - Any Orientation	100	**Cat. No. 47746-126**
Multi-Tube Carousel for Model 5400 Hybridization Oven Cat. No. 47746-114				
2	50 mL	5 - Horizontal	10	**Cat. No. 47746-122**
	15 mL	6 - Horizontal	12	**Cat. No. 47746-124**
	2.0/ 1.5 mL	20 - Any Orientation	40	**Cat. No. 47746-126**
Multi-Tube Carousel for Model 5430 Hybridization Oven Cat. No. 47746-116				
2	50 mL	2 - Horizontal	4	The following clips are included with the carousel: 4 - 50 mL clips 6 - 15 mL clips 12 - 2.0/ 1.5 mL clips
	15 mL	3 - Horizontal	6	
	2.0/ 1.5 mL	6 - Any Orientation	12	

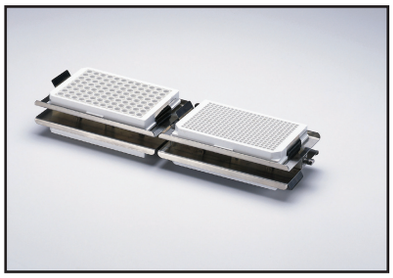
Carousels for Microplates Cat. No. 47746-118, 47746-120

Microplate carousels are available for the Model 5420 and Model 5400 ovens. These carousels hold standard microplates or deep well plates. (Plates must be sealed before use in carousel.)

Oven	No. of Plates Held per Carousel	Microplate Carousel Cat. No.
Model 5420	10	**47746-118**
Model 5400	4	**47746-120**



Model 5420 Microplate Carousel



Model 5400 Microplate Carousel

Large Bottle Carousel for Model 5420 Oven Cat. No. 47746-110

For processing large membranes, we offer a Large Bottle Carousel that works with the Model 5420 oven. This carousel holds four 70mm x 220mm (750mL) acrylic bottles, or four 55mm x 180mm (400mL) acrylic bottles.



Model 5420 Large Bottle Carousel

Rocker Platform for Model 5420 Oven Cat. No. 47746-108

Use the Rocker Platform for incubation of large blots in flat-bottomed containers.

The Rocker Platform works with the Model 5420 incubator.

Cat. No.	Platform Dimensions	Weight Capacity	Speed	Rocking Angle
47746-108	21.5 cm x 28 cm (8.5 in x 11 in)	5.0 kg (11 lb)	5 - 60 strokes per minute, variable speed	16°



Model 5420 Rocker Platform

Bottles and Nylon Mesh Glass Hybridization Bottles

All glass bottles are supplied with blue caps and silicone "O" ring.

Cat. No.	Bottle Size
25000-010	35 mm x 300 mm
47746-096	35 mm x 225 mm
25000-008	35 mm x 150 mm
47746-098	35 mm x 100 mm

Large Acrylic Bottles for Model 5420

All glass bottles are supplied with blue caps and silicone "O" ring.

Cat. No.	Bottle Size
47746-100	70 mm x 200 mm (750 mL) bottle, each
47746-096	55 mm x 180 mm (400 mL) bottle, each

Nylon Mesh

All glass bottles are supplied with blue caps and silicone "O" ring.

Cat. No.	Bottle Size
47746-104	15 cm x 10 cm, package of 5
47746-106	23 cm x 23 cm, package of 5



Glass Hybridization Bottles

VWR® Slide Hybridization Oven

The VWR Slide Hybridization oven is designed for a variety of hybridization and immunohistochemical procedures involving slides. Prepared slides are placed into the uniquely sealed aluminum tray for incubation, which maintains humidity and prevents the slides from drying out. This design provides effective incubation conditions without the need to seal cover slips.

The rapid heat-up and excellent temperature stability ensure consistency from test to test, making it ideal for use in hybridization and immunohistochemical procedures.



Supplied With:

- Aluminum tray assembly and stainless steel rack insert

Accessories:

- Polycarbonate slide holder insert for up to 18 slides: 69999-310
- Aluminum tray assembly (tray and lid): 13278-906
- Stainless steel rack insert for tray: 13278-908

	Slide Hybridization Oven 115 VAC	Slide Hybridization Oven 230 VAC
Cat. No.	**80087-000**	**80087-002**
Overall Dimensions (Width x Length x Height)	45.7 cm x 45.1 cm x 15.2 cm (18 in x 17.75 in x 6 in)	
Tray Dimensions (Width x Length x Height)	19.4 cm x 29.5 cm x 1.9 cm (7.5 in x 11.5 in x .75 in)	
Height Above Stainless Steel Rack	9.55 mm (.375 in)	
Net Weight	9.5 kg (21 lb)	
Shipping Weight	10.9 kg (24 lb)	
Capacity	With stainless steel rack: 20 - 1 in x 3 in slides, or various other sizes With plastic slide holder: 18 - 1 in x 3 in slides only	
Temperature Range	Ambient + 10° C to 75° C	
Display Resolution	0.1° C	
Temperature Setting/ Display	PID/ LED	
Stability	± 0.2° C	
Accuracy	± 1° C at 65° C	
Heat Up Time (ambient to 50° C)	Chamber: 20 minutes Tray: 25 minutes	
Electrical	115 VAC, 50/60 Hz 155W USTC and QPS approved	230 VAC, 50/60 Hz 155W (CE)

**Conforms to UL 61010A-1 and CSA C22.2 No. 1010

VWR® Slide Hybridization Bath

Applications:

- In situ hybridization
- All single temperature microscope slide incubation procedures
- Slide warming and drying
- Immunohistochemistry
- FISH
- Histology, Hermatology



Design Features:

- PID temperature controller for easy temperature selection
- Tempered glass lid that 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
- 2 year warranty

Accessories:

- Light Shield Cover: 35790-070

	Slide Hybridization Bath 115 VAC	Slide Hybridization Bath 230 VAC
Cat. No.	**80086-996**	**80086-998**
Overall Dimensions (Width x Length x Height)	40.6 cm x 34.9 cm x 14.6 cm (16 in x 13.75 in x 5.75 in)	
Net Weight	8.2 kg (18 lb)	
Shipping Weight	10.4 kg (23 lb)	
Capacity	30 - 1 in x 3 in slides (3 rows of 10)	
Temperature Range	Ambient + 5° C to 100° C	
Stability	Typically ± 0.2° C or better throughout operating temperatures	
Uniformity	± 0.35° C at 37° C; ± 0.7° C at 65° C	
Clearance between lid and slide pedestal	1 cm (.48 in)	
Heat-up Rate	Ambient to 65° C in 20 minutes	
Temperature Setting/ Display	PID/ LED	
Electrical	115 VAC, 50/60 Hz 200W UL/CSA approved	230 VAC, 50/60 Hz 200W (CE)

**Conforms to UL 61010A-1 and CSA C22.2 No. 1010

NOTE: VWR strongly recommends using covered and sealed slides for higher temperatures (>37°) or prolonged incubations (> 1 hour)



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