



carousel reaction stations™

instructions

RR98050
24 Place PTFE
Carousel Reaction Station

Your Local Distributor

RADLEYS

innovative solutions for **Combinatorial Chemists**

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PATENT PENDING



Thank you for purchasing your Carousel Reaction Station

Introduction

The 24 place Carousel Reaction Station is designed for smaller volume mixing applications such as the final step(s) in the elaboration of an array at ambient temperatures.

This Carousel holds 24 x 16mm diameter reaction tubes.

Your Carousel will mount on a standard stirring hotplate, with a circular top plate having a diameter of not more than 135mm. The single rotating magnetic field created by the stirrer, uniformly stirs individual PTFE magnetic stirring bars in each of the Carousel's 24 glass Reaction Tubes.

The Carousel was originally designed and tested for use with the IKA RCT Basic stirring hotplate. However it can be operated successfully on other stirring hotplates having similar specifications.



Warranty

Carousels include one year full parts and labour warranty from date of original purchase. Warranty will only be valid if a completed warranty card is returned within 2 months of date of purchase.

In the event of product failure please contact your local distributor.
Please do not return any goods without prior agreement.

Safety Information

The following symbols are intended to assist the user in the safe and efficient operation of the Carousel.

	WARNING Applies when there is a possibility of personal injury.
	IMPORTANT NOTE Alerts the user to important facts.

Products Enclosed

The items enclosed in this package, should include:

- 1 x PTFE Carousel
- 24 x Rubber inserts
- 1 x Operating Instructions

Additional Equipment & Consumables

RR98072 RCT- Basic Stirring Hotplate

Or similar magnetic stirring hot plate, with a top plate diameter of not greater than 135mm.

RR98065/RR98066 - Small Threaded Glass Reaction Tubes with PP Caps

Glass reaction tubes 16mm x 100mm. RR98065 (pack of 50) or RR98066 (pack of 100).

RR98071 - Octagonal Magnetic Stirring Bar

Small Octagonal PTFE Magnetic Stirring Bar. Pack 40.

or

RR98075 - Cross Shaped Magnetic Stirring Bar

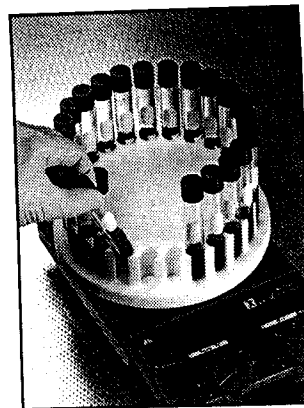
Small High Speed Cross Shaped PTFE Magnetic Stirring Bar. Pack 40. (maximises vortex)



WARNING

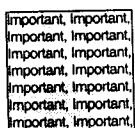
Carousel Reaction Stations should always be used in a fume cupboard.

- 1 The Carousel is simply placed on top of the stirring hotplate. The circular recess in the base of the Carousel is designed to fit snugly around the top plate of your stirring hotplate (maximum top plate diameter 135mm).
- 2 The Carousels modular design allows it to be lifted on and off the hotplate stirrer as required. Being circular, it can be rotated when in place to facilitate access to all reaction tubes. This removes the need to 'lean' into the fume cupboard during operation.



WARNING

This PTFE Carousel is not designed for heating. Whilst gentle heating can in some cases be applied (ambient to +40°C), PTFE is an insulator and therefore not suited to heat conduction.



IMPORTANT NOTE

Please note that the recess in the base of the Carousel is designed to be a tight fit with the top of your hotplate. Furthermore, when cold PTFE will contract, and this may result in the PTFE Carousel being too tight to fit over the hotplate top. To avoid this happening sufficient time should be allowed for the PTFE Carousel to warm up to 'room temperature' prior to use.



octagonal stirring bar



'cross shaped' stirring bar

- 3 The reaction tubes are placed in position by simply being placed into the individual wells. Small circular black rubber inserts can be placed at the base of the well to prevent the tubes from rotating during stirring.
- 4 The PTFE stirring bars should now be placed in the individual Reaction Tubes. We recommend the cross shaped stirring bar for vigorous stirring.
- 5 For efficient stirring and to maintain optimum coupling of stirring bars, please turn up the stirring speed on the hotplate stirrer slowly.
- 6 Reagents, compounds etc may now be added before caps are positioned. Please note that caps supplied with tubes are now transparent Polypropylene.



IMPORTANT WARNING

In the event of leak from a broken reaction tube - please stop using the unit immediately. **DO NOT TOUCH THE CAROUSEL OR HOTPLATE.** Switch off all power supply to the hotplate at the mains. Remove the power plug from the mains.



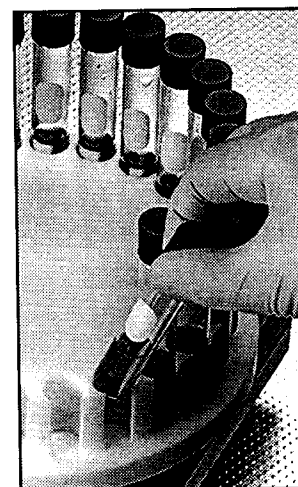
IMPORTANT WARNING

The Carousel should only be operated by trained and competent personnel. As with all chemistries, care should be taken to monitor your reactions at all stages. The Carousel should not be left unattended unless in a supervised area.



IMPORTANT WARNING

Carousel Reaction Stations should always be used in a fume cupboard.





carousel reaction stationsTM

ordering information

Cat No	Description	Pk Qty
RR98050	24 Place PTFE Carousel Reaction Station *	1

Carousel Consumables

RR98065	Small Threaded Glass Reaction Tube, 16mm x 100mm	50
RR98066	Small Threaded Glass Reaction Tube, 16mm x 100mm	100
RR98071	Small Octagonal PTFE Magnetic Stirring Bar	40
RR98075	Small High Speed Cross Shape PTFE Magnetic Stirring Bar	40

Stirring Hotplates

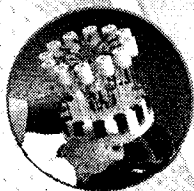
RR98072	RCT-Basic Stirring Hotplate, 240 volt	1
RR98072/115V	RCT-Basic Stirring Hotplate, 115 volt	1

* Please note reaction Tubes, Caps, Stirring Bars or Stirring Hotplate are not included with reaction Stations.

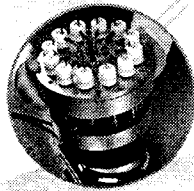
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12 Place PTFE
Reaction Station



12 Place Heated + Reflux
Reaction Station



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Order by Credit Card



We now also accept American Express

