

# Laboratory Centrifuges




## Compact Laboratory Centrifuges

**R 4C** Compact model for routine work in medical and industrial laboratories has digital speed indicator and 0-60 minute digital countdown timer.

**R-4C DX** has additional features of dynamic brake for quick deceleration & Imbalance detector with cutoff in case of uneven loads.

### Salient Features:

- Stepless speed regulator.
- Safety Lid interlock to prevent cover opening during centrifugation.
- Dynamic brake for quick deceleration (R-4C DX)
- Imbalance detector with cutoff. (R-4C DX)

Technical Data		
R-4C / R-4C DX		
Max. Speed	rpm	4400
Max. RCF	'g'	2350
Max. Capacity	ml	200
WxDxH	mm	330x370x295
Supply: 220-240 Volts 50 Hz Single Phase.		

Rotor Head Listing				Reduction Adaptors (With Glass Tubes)					
Models	Capacity	Max. Speed	Max. RCF	RA-501	RA-502	RA-151	RA-152	RA-153	RA-154
		RPM	'g'	(1X15ml)	(1X30ml)	(1Xwintrob)	(1X3ml)	(1X5ml)	(1X8ml)
<b>Swing out Heads (with glass tubes)</b>									
R-41	8 X 15ml	3500	1850	X	X	√	√	√	√
R-42	4 X 50ml	3500	1850	√	√	X	X	X	X
<b>Angle Heads (with polypropylene tubes)</b>									
R-43	8 X 15ml	4400	2200	X	X	√	√	√	√
R-44	4 X 50ml	4200	2350	√	√	X	X	X	X

## Special Purpose Centrifuge

R-8K Centrifuge incorporates stepless Speed Regulator, digital Timer and speed meter. It has been designed specifically to suit the following special applications.

- 1) Testing Diesel Fuel Filters for determination of Dust concentrate as per IS: 3351:1991. : Useful for fuel filters for testing the purity and suitability of the oil.
- 2) Test of Infant Milk Food as per IS: 1547:1985. For determination of solubility index in Infant Milk Foods.
- 3) For determination of Insolubility Index of dried milk and dried Milk products as per IS: 12759:1989
- 4) For determination of Sulphates in Chrome solution

Technical Data		
Max. Speed	rpm	4200
Max. RCF	'g'	3150
WxDxH	mm	400x420x315
Supply: 220-240 Volts 50 Hz Single Phase.		

Rotor Heads Listing	
Models	Description
R-80	4 place Swing Out Rotor complete with glass tubes suitable for determination of Dust Concentrate in Diesel Fuel Filters.
R-86	4 place Swing Out Rotor complete with glass tubes suitable for determination of solubility index in infant Milks Foods and insolubility Index of dried milk and dried milks products.
R-87	4 place Swing Out Rotor complete with glass tubes suitable for determination of sulphate in Chrome plating solution.



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## R-8C & R-8C DX

Suitable for routine sample analysis in Medical, Hospital, Pathology and Institutional laboratories. With a wide choice of rotor heads and adaptors, this unit is truly versatile. Unit has digital speed indicator and 0-60 minute digital countdown timer.

**R-8C DX has additional features of dynamic brake for quick deceleration & Imbalance detector with cut off in case of uneven loads.**

### Salient features:

- Stepless speed regulator
- Safety Lid interlock to prevent cover opening during centrifugation
- Digital speed meter and 0-60 minutes digital countdown timer

## R-8C BL & R-8M

The new generation of microprocessor based table top centrifuges models use brushless induction motor with frequency drive enabling the user to pre-set speed & time with a high degree of accuracy. Display of set parameters like speed, time etc. make the unit an ideal choice for repetitive sample analysis.

### Salient features:

- Brushless Induction motor with frequency drive
- Stable speed output even under unstable voltage conditions
- 7 segment LED display of speed (R-8C BL)
- Digital countdown timer
- Safety lid interlock to prevent lid opening during centrifugation
- Dynamic brake for quick deceleration
- Imbalance & Inverter fault detection with auto shutdown
- Alphanumeric LCD display of speed & RCF (R-8M)
- Selection of 3 acceleration & deceleration profiles (R-8M)
- Recall of last set parameters. Useful for repetitive analysis
- Automatic door opening through gas hinges

### Technical Data

Models		R-8C / R-8C DX	R-8C BL / R-8M
Max. Speed	rpm	5250	6000
Max. RCF	'g'	3600	5070
Max. Capacity	ml	400	400
WxDxH	mm	365 x 415 x 350	380 x 460 x 305
<b>Supply: 220-240 Volts 50 Hz Single Phase.</b>			



# Laboratory Centrifuges




R-90 (With Biosafety cap)

## Rotor Heads Listing

Models	Capacity	R-8C/R-8C DX		R-8C BL/R-8M		Models	Capacity	R-8C/R-8C DX		R-8C BL/R-8M	
		Speed RPM	RCF 'g'	Speed RPM	RCF 'g'			Speed RPM	RCF 'g'	Speed RPM	RCF 'g'
<b>Swing out Heads (with glass tubes)</b>						<b>Angle Heads (with polypropylene tubes)</b>					
R-81	16 x 15 ml	4000	2750	4500	3485	R-83	16 x 15 ml	5250	3600	5250	4280
R-81 A	12 x 15 ml	4000	2750	4500	3485	R-83 A	12 x 15 ml	5250	3600	5250	4280
R-81 B	8 x 15 ml	4200	3000	4500	3440	R-83 B	8 x 15 ml	5250	3600	6000	4700
R-82	6 x 50 ml	4000	2800	4500	3530	R-84	6 x 50 ml	5250	3600	6000	4700
R-82 A	4 x 50 ml	4000	2750	4500	3485	R-84 A	4 x 50 ml	5250	3600	6000	4700
R-90 (With Biosafety cap)	4 x 100 ml	X	X	4000	2500	R-88	4 x 100 ml	X	X	6000	4550
						R-89	24 x 15 ml	X	X	6000	5070

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## Reduction Adaptors

Models	Capacity	R-81	R-81A	R-81B	R-82	R-82A	R-83	R-83A	R-83B	R-84	R-84A	R-88	R-89	R-90
RA-151	1 x wintrob	✓	✓	✓	X	X	✓	✓	✓	X	X	X	X	X
RA-152	1 x 3ml	✓	✓	✓	X	X	✓	✓	✓	X	X	X	✓	X
RA-153	1 x 5ml	✓	✓	✓	X	X	✓	✓	✓	X	X	X	✓	X
RA-154	1 x 8ml	✓	✓	✓	X	X	✓	✓	✓	X	X	X	✓	X
RA-155	1 x 4ml	✓	✓	✓	X	X	✓	✓	✓	X	X	X	✓	X
RA-156	1 X 6ml	✓	✓	✓	X	X	✓	✓	✓	X	X	X	✓	X
RA-157	1 X 50ml	X	X	X	X	X	X	X	X	X	X	X	X	✓
RA-158	1 X 30ml	X	X	X	X	X	X	X	X	X	X	X	X	✓
RA-159	3 X 15ml	X	X	X	X	X	X	X	X	X	X	X	X	✓
RA-160	1 X 15ml	X	X	X	X	X	X	X	X	X	X	✓	X	X
RA-161	1 X 50ml	X	X	X	X	X	X	X	X	X	X	✓	X	X
RA-501	1 X 15ml	X	X	X	✓	✓	X	X	X	✓	✓	X	X	X
RA-502	1 X 30ml	X	X	X	✓	✓	X	X	X	✓	✓	X	X	X
<b>Suitable for Falcon Tubes (without tubes)</b>														
RA-501F	1 X 15ml	X	X	X	✓	✓	X	X	X	✓	✓	X	X	X
RA-160F	1 X 15ml	X	X	X	X	X	X	X	X	X	X	✓	X	X
RA-161F	1 X 50ml	X	X	X	X	X	X	X	X	X	X	✓	X	X
<b>Suitable for Vacutainer Tubes (without tubes)</b>														
RA-162	up to 5ml (75 mm long)	✓	✓	✓	X	X	X	✓	X	X	X	X	X	X
RA-163	up to 6ml (100 mm long)	✓	✓	✓	X	X	X	✓	X	X	X	X	X	X
RA-164	up to 10ml (100 mm long)	X	X	X	✓	✓	X	X	X	✓	✓	X	X	X

