

HETTICH CYTO SYSTEM

Cytological preparations – safe and economic

Increased demands on security or flexibility as well as time and cost pressures represent a large challenge for today's cytology laboratory. Hettich's three cyto systems are available to tackle these challenges. Reliable, flexible and cost-saving solutions – all IvD-compliant according to EU Directive 98/79/EC.

SYSTEM 1

System 1 is particularly suitable for a high sample throughput thanks to its 12-place rotor. In addition, the autoclavable swing-out rotor with a TÜV certified, bioseal rotor lid provides maximum safety. This system can be used in two proven Hettich benchtop centrifuges, offers comprehensive accessories and is very easy to handle. The end result is an optimal cell presentation.



Compatible for models:

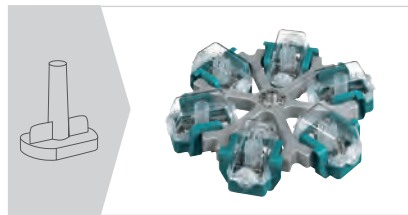
UNIVERSAL 320 / 320 R |
ROTOFIX 32 A

Benefits:

- Closed, autoclavable rotor with Bio-Seal lid
- 12-place swing-out rotor for maximum sample throughput
- Large selection of cytochambers for single and multiple use. Re-usable cytochambers are autoclavable
- Easy handling
- Good cell representation

SYSTEM 2

This system offers you the highest possible flexibility. On the one hand, volumes between 1 and 8 ml can be prepared while up to 8 cell sediments can fit on a single slide. In addition, this accessory can be used in many Hettich centrifuges, often without rotor replacement. This accessory is inexpensive and is characterized by a high, representative cell yield.



Compatible for models:

ROTOFIX 32 A | UNIVERSAL 320 /
320 R | ROTINA 380 / 380 R | ROTINA
420 / 420 R | ROTANTA 460 / 460 R |
ROTIKA 500 RS

Benefits:

- Large variety of accessories
- Flexible sample volumes
- Can be used with and without filter cards, depending on application and requirements.
- Very high cell yield

SYSTEM 3

System 3 combines the easy handling of System 1 with the flexibility and price advantage of System 2. It can operate in a variety of Hettich centrifuges and, like System 1, requires only a single centrifugation step to arrive at a dry cell pellet. The three different sediment size options give a distinct advantage.















Compatible for models:

ROTOFIX 32 A | ROTINA 420 / 420 R |
UNIVERSAL 320 / 320 R

Benefits:




- Easy handling
- Ideal for small sample volumes
- Can be used with and without filter cards, depending on application and requirements. (Dry or moist cell sediment)

Assembly of a complete cyto insert

SYSTEM 1	SYSTEM 2	SYSTEM 3
 <p>cyto chamber with filter card</p>	 <p>lid</p>	 <p>lid</p>
 <p>Clips</p>	 <p>ring</p>	 <p>cyto chamber</p>
 <p>swing-out rotor, 12-place</p>	 <p>cyto chamber, 1 ml</p>	 <p>Slide carrier with filter card and ring</p>
	 <p>Slide carrier with filter card</p>	
	 <p>bucket</p>	 <p>bucket</p>
BESTSELLER		













SYSTEM 1 – rotor and accessories

— SWING-OUT ROTOR

<p>Swing-out rotor, 12-place For ROTOFIX 32A UNIVERSAL 320 / 320 R</p> 	+	<p>Lid bioseal[®] Cat. No. 1528</p> 										
<table border="1"> <tr> <td>max. RPM max. RCF</td> <td>2.000 min⁻¹ 438</td> </tr> <tr> <td>max. capacity</td> <td>12 cyto chambers</td> </tr> <tr> <td>run-up run-down, braked in sec</td> <td>19 18</td> </tr> <tr> <td>Angle</td> <td>90°</td> </tr> <tr> <td>Cat. No.</td> <td>1515-A</td> </tr> </table>	max. RPM max. RCF	2.000 min ⁻¹ 438	max. capacity	12 cyto chambers	run-up run-down, braked in sec	19 18	Angle	90°	Cat. No.	1515-A		<p>Stand Cat. No. 1528</p> 
max. RPM max. RCF	2.000 min ⁻¹ 438											
max. capacity	12 cyto chambers											
run-up run-down, braked in sec	19 18											
Angle	90°											
Cat. No.	1515-A											




— CYTO CHAMBERS

<p>Cyto chambers (disposable)</p>  	+	<p>Cyto chambers (re-usable, autoclavable)</p>  																								
<table border="1"> <tr> <td>capacity in ml</td> <td>0.5</td> <td>0.2</td> </tr> <tr> <td>area in mm²</td> <td>28.3</td> <td>28.3</td> </tr> <tr> <td>∅ in mm</td> <td>6</td> <td>6</td> </tr> <tr> <td>Cat. No.</td> <td>1531 (50 pcs.) 1534 (500 pcs.)</td> <td>1532 (50 pcs.)</td> </tr> </table>	capacity in ml	0.5	0.2	area in mm ²	28.3	28.3	∅ in mm	6	6	Cat. No.	1531 (50 pcs.) 1534 (500 pcs.)	1532 (50 pcs.)		<table border="1"> <tr> <td>capacity in ml</td> <td>0.5</td> <td>6⁽⁸⁾</td> </tr> <tr> <td>area in mm² / (L x W) in mm</td> <td>28.3</td> <td>13.4x22</td> </tr> <tr> <td>∅ in mm</td> <td>6</td> <td>-</td> </tr> <tr> <td>Cat. No.</td> <td>1538 (12 pcs.)</td> <td>1536 (12 pcs.)</td> </tr> </table>	capacity in ml	0.5	6 ⁽⁸⁾	area in mm ² / (L x W) in mm	28.3	13.4x22	∅ in mm	6	-	Cat. No.	1538 (12 pcs.)	1536 (12 pcs.)
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<p>Clips (autoclavable)</p>  	+	<p>Clips (autoclavable)</p>  																								
<table border="1"> <tr> <td>Cat. No.</td> <td>1524 (4 pcs.)</td> <td>1524 (4 pcs.)</td> </tr> </table>	Cat. No.	1524 (4 pcs.)	1524 (4 pcs.)		<table border="1"> <tr> <td>Cat. No.</td> <td>1524 (4 pcs.)</td> <td>1524 (4 pcs.)</td> </tr> </table>	Cat. No.	1524 (4 pcs.)	1524 (4 pcs.)																		
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<p>Filter cards</p>  	+	<p>Filter cards / seals</p>  																								
<table border="1"> <tr> <td>Cat. No.</td> <td>filter card white (inclusive)</td> <td>filter card brown (inclusive)</td> </tr> </table>	Cat. No.	filter card white (inclusive)	filter card brown (inclusive)		<table border="1"> <tr> <td>Cat. No.</td> <td>1539 (200 pcs.)</td> <td>1537 (100 pcs.)</td> </tr> </table>	Cat. No.	1539 (200 pcs.)	1537 (100 pcs.)																		
Cat. No.	filter card white (inclusive)	filter card brown (inclusive)																								
Cat. No.	1539 (200 pcs.)	1537 (100 pcs.)																								

SYSTEM 2 – rotors and equipment

— SWING-OUT ROTOR

Swing-out rotor, 4-place
For ROTOFIX 32A |
UNIVERSAL 320 / 320R



max. RPM max. RCF	4,000 min ⁻¹ 2,451
max. capacity	8 cyto chambers
run-up run-down, braked in sec	22 25
angle	90°
Cat. No.	1624


Bucket



lid	1661
Cat. No.	1660



Swing-out rotor, 4-place
For UNIVERSAL 320 / 320R



max. RPM max. RCF	5,000 min ⁻¹ 2,879
max. capacity	8 cyto chambers
run-up run-down, braked in sec	30 32
angle temperature in °C ¹⁾	90° -10
Cat. No.	1494


Bucket



Cat. No.	1452
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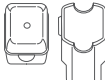


Swing-out rotor, 4-place
For ROTINA 380 / 380R




max. RPM max. RCF	4,000 min ⁻¹ 2,898
max. capacity	16 cyto chambers
run-up run-down, braked in sec	24 17
angle temperature in °C ¹⁾	90° -8
Cat. No.	1798

Bucket



lid	5053
Cat. No.	5051


Adapter



Cat. No.	5280
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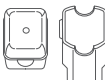


Swing-out rotor, 4-place
For ROTINA 420 / 420R




max. RPM max. RCF	4,000 min ⁻¹ 2,898
max. capacity	16 cyto chambers
run-up run-down, braked in sec	18 16
angle temperature in °C ¹⁾	90° -1
Cat. No.	4753

Bucket



lid	5053
Cat. No.	5051


Adapter



Cat. No.	5280
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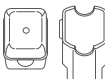


Swing-out rotor, 4-place
For ROTANTA 460 / 460R |
460 RC / 460 RF




max. RPM max. RCF	4,000 min ⁻¹ 3,095
max. capacity	16 cyto chambers
run-up run-down, braked in sec	40 45
angle	90°
Cat. No.	5694

Bucket



lid	5053
Cat. No.	5051

Adapter



Cat. No.	5280
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Swing-out rotor, 4-place
For ROTANTA 460 / 460 R
/ 460 RC / 460 RF



max. RPM max. RCF	4,600 min ⁻¹ 4,069
max. capacity	16 cyto chambers
run-up run-down, braked in sec	75 88
angle temperature in °C ¹⁾	90° +10
Cat. No.	5699-R



Bucket	
Cat. No.	5628

Adapter	
Cat. No.	5220-A

Adapter	
Cat. No.	5280



Swing-out rotor, 6-place
For ROTOFIX 32A |
UNIVERSAL 320 / 320 R



max. RPM max. RCF	4,000 min ⁻¹ 2,039
max. capacity	12 cyto chambers
run-up run-down, braked in sec	22 25
angle	90°
Cat. No.	1626



Bucket lid	
Cat. No.	1661

Cat. No.	1660
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Swing-out rotor, 6-place
Passend für ROTINA 380
/ 380 R



max. RPM max. RCF	4,000 min ⁻¹ 2,003
max. capacity	12 cyto chambers
run-up run-down, braked in sec	19 18
angle temperature in °C ¹⁾	90° -6
Cat. No.	1726



Bucket lid	
Cat. No.	1660

Cat. No.	1660
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Swing-out rotor, 6-place
For ROTANTA 460 | 460 R |
460 RC | 460 RF



max. RPM max. RCF	4,000 min ⁻¹ 3,291
max. capacity	24 cyto chambers
run-up run-down, braked in sec	38 46
angle temperature in °C ¹⁾	90° 0
Cat. No.	4446



Bucket lid	
Cat. No.	5051

Adapter	
Cat. No.	5280



Swing-out rotor, 6-place
For ROTIXA 500 RS



max. RPM max. RCF	4,000 min ⁻¹ 3,274
max. capacity	24 cyto chambers
run-up run-down, braked in sec	33 50
angle temperature in °C ¹⁾	90° 0
Cat. No.	4296



























Bucket lid	
Cat. No.	5051

Adapter	
Cat. No.	5280





— CYTO CHAMBERS



Cyto chambers						
capacity in ml	1	2	4	8	3 x 2	4 x 1
area in mm ²	30	60	120	240	3 x 60	4 x 30
Ø in mm	6.2	8.7	12.4	17.5	3x8.7	4x6.2
Cat. No.	1663 (100 pcs.)	1664 (100 pcs.)	1665 (100 pcs.)	1666 (100 pcs.)	1667 (100 pcs.)	1668 (100 pcs.)
+	Slide carrier with ring		Slide carrier for two chambers		Slide carrier with ring	
Slide carrier (autoclavable)						
Cat. No.	1662	1670	1662	1670	1662	1670
+	Filter cards for 1662		Filter cards for 1662		Filter cards for 1662	
Filter cards for 1662						
Cat. No.	1675 (200 pcs.)	1675 (200 pcs.)	1675 (200 pcs.)	1676 (100 pcs.)	1677 (100 pcs.)	1678 (100 pcs.)
+	Filter cards for 1670		Filter cards for 1670		Filter cards for 1670	
Filter cards for 1670						
Cat. No.	1692 (200 pcs.)	1692 (200 pcs.)	1692 (200 pcs.)	1691 (100 pcs.)	1694 (100 pcs.)	1693 (100 pcs.)

SYSTEM 3 – rotors and equipment

— SWING-OUT ROTORS







Swing-out rotor, 4-place For ROTOFIX 32 A UNIVERSAL 320 / 320 R		+	Bucket lid	
max. RPM max. RCF	4,000 min ⁻¹ 1,467		lid	inclusive
max. capacity	4 cyto chambers		Cat. No.	1680
run-up run-down, braked in sec	20 25			
angle	90°			
Cat. No.	1624			



Swing-out rotor, 6-place For ROTOFIX 32 A UNIVERSAL 320 / 320 R		+	Bucket lid	
max. RPM max. RCF	5,000 min ⁻¹ 1,842		lid	inclusive
max. capacity	6 cyto chambers		Cat. No.	1680
run-up run-down, braked in sec	20 22			
angle	90°			
Cat. No.	1626			



— CYTO CHAMBERS

Cyto chambers			
area in mm ²	30	60	120
Ø in mm	6.2	8.7	12.4
Cat. No.	1671 (100 pcs.)	1672 (100 pcs.)	1673 (100 pcs.)
+	Filter cards		
Filter cards			
Cat. No.	1696 (100 pcs.)	1697 (100 pcs.)	1698 (100 pcs.)