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# **CYTO SYSTEM**

Cytological preparations – safe and economic



## **HETTICH CYTO SYSTEM**

## Cytological preparations – safe and economic

Rising 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 results is an optimal cell presentation.

### **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.

## 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.



### **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

#### **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



#### **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)

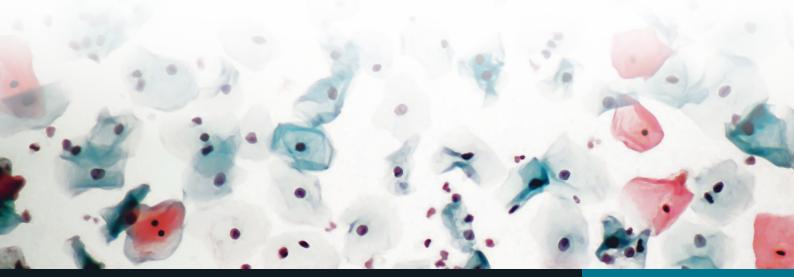


Assembly of a complete cyto insert



Your combination possibilities

	System 1	System 2	System 3
ROTOFIX 32 A	•	٠	٠
UNIVERSAL 320   320 R	•	•	٠
ROTINA 380   380 R		•	٠
ROTINA 420   420 R		٠	
ROTANTA 460   460 R		•	
ROTIXA 500 RS		•	



## SYSTEM 1 – ROTOR AND ACCESSORIES

## Swing-out rotor

- Cyto chambers

Cat. No.







#### Cyto chambers (disposable) 0.5 capacity in ml 0.2 area in mm² 28.3 28.3 Ø in mm 6 6 1531 (50 pcs.) 1534 (500 pcs.) Cat. No. 1532 (50 pcs.) +**Clips** (autoclavable) Cat. No. 1524 (4 pcs.) 1524 (4 pcs.) $\mathbf{t}$ 0 Filter cards

Cyto chambers (re-usable, autoclavable)		
capacity in ml	0.5	6 18)
area in mm² / (L x W) in mm	28.3	13.4x22
Ø in mm	6	-
Cat. No.	1538 (12 pcs.)	1536 (12 pcs.)
Clips (autoclavable)	A CONTRACTOR	
Cat. No.	1524 (4 pcs.)	1524 (4 pcs.)
Filter cards / seals	0	
Cat. No.	1539 (200 pcs.)	1537 (100 pcs.)

5 Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

ilter card

18 This is the maximum capacity. The recommended quantity to be used per chamber is 4 ml.

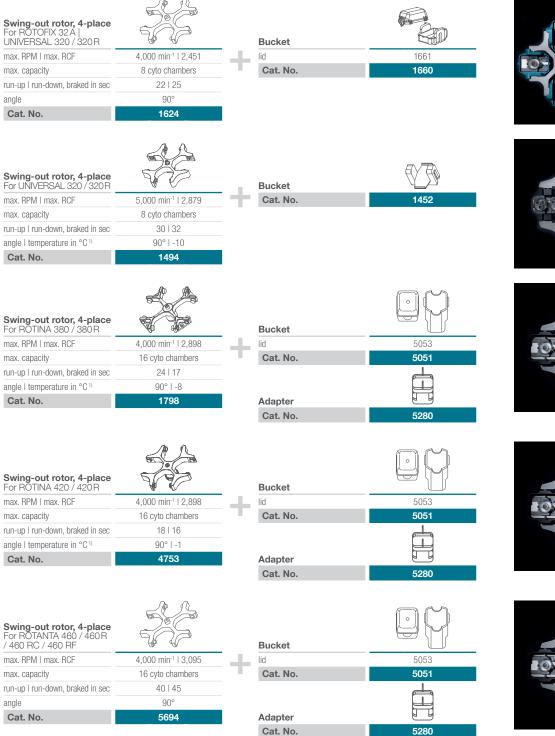
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## SYSTEM 2 – ROTOR AND ACCESSORIES

### Swing-out rotors



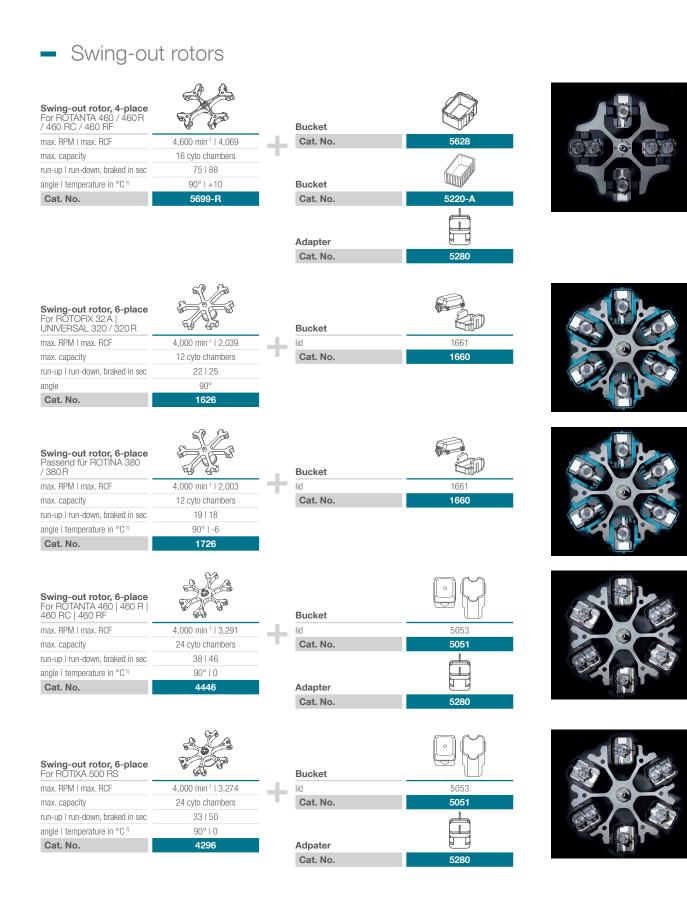






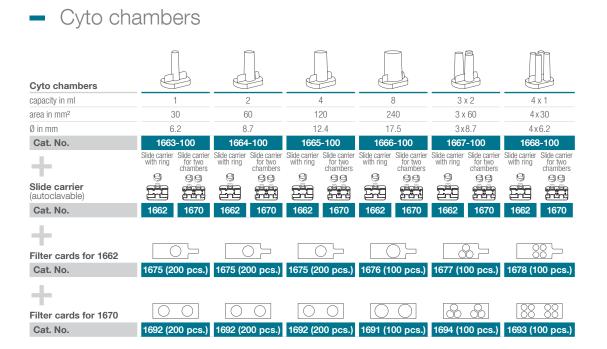


1 For cooled versions: Lowest temperature achievable with precooling and max. speed.









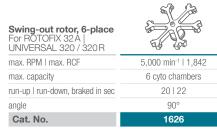




## **SYSTEM 3 – ROTOR AND ACCESSORIES**

#### Swing-out rotors

Swing-out rotor, 4-place For ROTOFIX 32 A   UNIVERSAL 320 / 320 R		
max. RPM I max. RCF	4,000 min <sup>-1</sup>   1,467	١,
max. capacity	4 cyto chambers	
run-up   run-down, braked in sec	20   25	
angle	90°	
Cat. No.	1624	





inclusive

1680

1680

Bucket

Cat. No.

lid

lid

Cat. No.





## Cyto chambers

Cyto chambers	B	R	R
area in mm²	30	60	120
Ø in mm	6.2	8.7	12.4
Cat. No.	1671-100	1672-100	1673-100
+	Slide carrier with ring	Slide carrier with ring	Slide carrier with ring
Slide carrier (autoclavable)	e Fi		
Cat. No.	1662	1662	1662
Filter cards	0		
Cat. No.	1696 (100 pcs.)	1697 (100 pcs.)	1698 (100 pcs.)



Hettich centrifuges, incubators and accessories fulfill all applicable EC directives that apply to you. Every work step is subject to strict controls and documentation. The company is ISO 9001, ISO 13485 and ISO 14001 certified. Hettich products are manufactured with care and responsibility, giving them a worldwide reputation for safety and reliability.

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