



CYTO SYSTEM

Fast and cost-effective
cytology solutions



HETTICH CYTO SYSTEM

— Fast and cost-effective cytology solutions

Increasing demands for safety and flexibility, along with ongoing time and cost pressures, pose significant challenges for cytology laboratories. Hettich's three Cyto systems provide reliable, flexible, and cost-saving solutions that make laboratory workflows more efficient and secure.

SYSTEM 1

System 1 is ideally suited for high sample throughput thanks to its 12-place swing-out rotor. The autoclavable rotor with a TÜV-certified, biosealed lid ensures maximum safety. The system can be used with two proven Hettich benchtop centrifuges, but is also compatible with the most commonly used funnel system. It offers a wide range of accessories, and is remarkably easy to handle.



Advantages

- Closed, autoclavable rotor with bioseal lid
- Compatible with the most commonly used funnel system (No need to change consumables)
- Cyto chambers designed for single use

SYSTEM 2

System 2 offers maximum flexibility. Sample volumes between 1 and 8 ml can be processed, allowing up to eight cell sediments to be placed on a single slide. The accessories are compatible with many Hettich centrifuges and can often be used without changing the rotor. With this system, both dry and wet specimens can be prepared in just two steps.



Advantages

- Versatile range of accessories
- Flexible use for both small and large sample volumes
- Can be used with or without filter cards, depending on the application (for dry or moist cell sediments)

SYSTEM 3

System 3 combines the easy handling of System 1 with the flexibility of System 2. It can be used with various Hettich centrifuges and, like System 1, requires only a single centrifugation step to produce a dry cell sediment. The three available sediment sizes are particularly practical, allowing optimal adaptation to different requirements.



Advantages

- Easy handling
- Ideal for small sample volumes
- Can be used with or without filter cards, depending on the application (for dry or moist cell sediments)

— Assembly of a complete cyto insert

System 1

Cyto chamber with filter card

Clips

Swing-out rotor, 12-place

BESTSELLER

System 2

Lid

Clamping ring

Cyto chamber, 1 ml

Slide carrier with filter card

Bucket

System 3

Lid

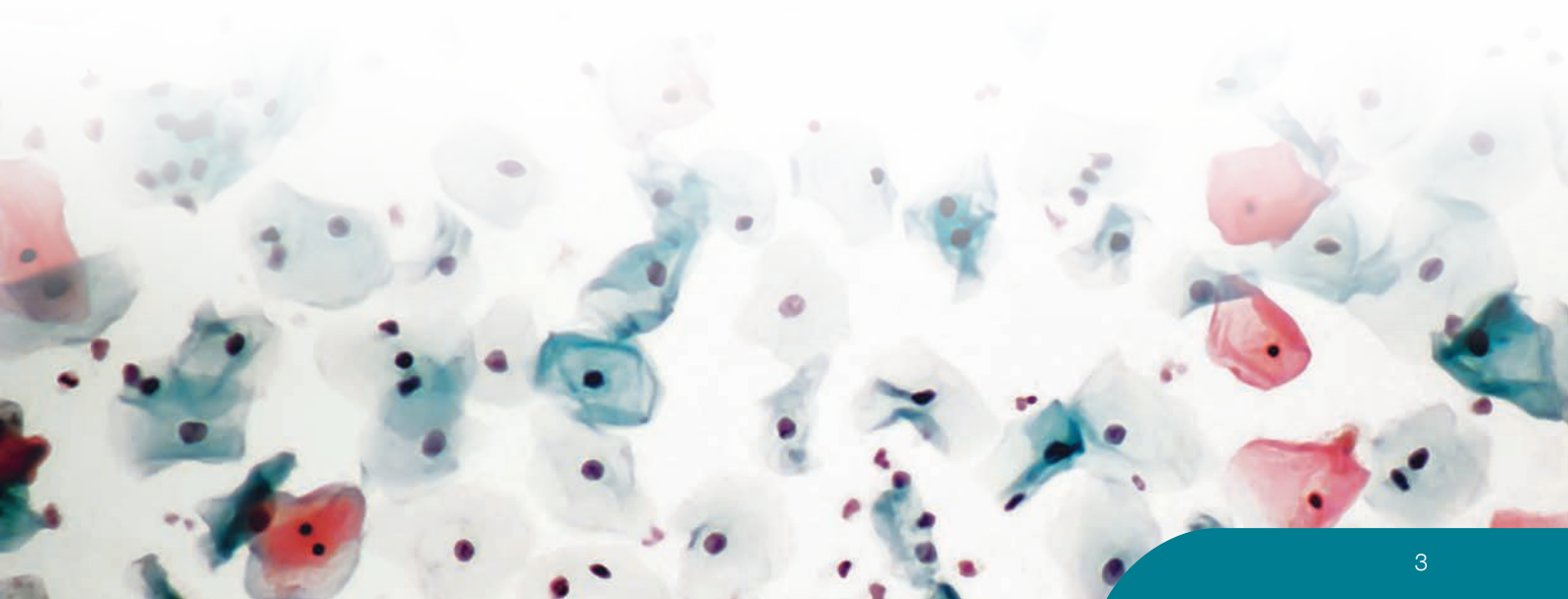
Cyto chamber

Slide carrier with filter card and clamping ring

Bucket


— Centrifuge Compatibility

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



SYSTEM 1 – ROTOR AND ACCESSORIES


— Swing-out rotor



Swing-out rotor, 12-place
For ROTOFIX 32 A and
UNIVERSAL 320 | 320 R

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


+



Lid bioseal¹⁾


Cat. No.	INCLUSIVE
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+




Stand

Cat. No.	1528
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— Cyto chambers



Cyto chambers
(disposable)

capacity in ml	0.4	0.4 ²⁾
area in mm ²	28.3	28.3
Ø in mm	6	6
Cat. No.	1531 (50 pcs.)	1532 (50 pcs.)


+



Clips


Cat. No.	1524 (4 pcs.)	1524 (4 pcs.)
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+



Filter cards

Cat. No.	filter card white (inclusive)	filter card brown ²⁾ (inclusive)
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1) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
 2) Brown filter card - absorbs fluids at a slower rate than white filter card.
 Excellent for scanty specimens such as Cerebral Spinal Fluid.

4

SYSTEM 2 – ROTOR AND ACCESSORIES

— Swing-out rotors

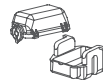
Swing-out rotor, 4-place For ROTOFIX 32 A and UNIVERSAL 320 | 320 R



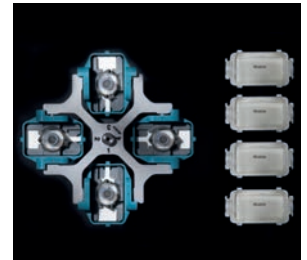
max. RPM max. RCF	4,000 min ⁻¹ 2,451
max. capacity	8 cyto chambers
run-up run-down, braked in sec	22 25
angle	90°
Cat. No.	1624



Bucket



lid	1661
Cat. No.	1660



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



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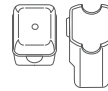
Swing-out rotor, 4-place For ROTINA 380 | 380 R



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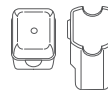
Swing-out rotor, 4-place For ROTINA 420 | 420 R



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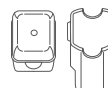
Swing-out rotor, 4-place For ROTANTA 460 | 460 R | 460 RC | 460 RF



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

— Swing-out rotors

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

Bucket

Cat. No.



5220-A

Adapter

Cat. No.



5280



Swing-out rotor, 6-place For ROTOFIX 32 A and 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

1660



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.



1661

1660



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

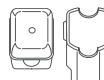
Cat. No. 4446



Bucket

lid

Cat. No.



5053

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

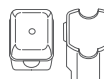
Cat. No. 4296



Bucket

lid

Cat. No.



5053

5051

Adapter

Cat. No.



























5280



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

— 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	1664-100	1665-100	1666-100	1667-100	1668-100
+	Slide carrier with ring	Slide carrier for two chambers	Slide carrier with ring	Slide carrier for two chambers	Slide carrier with ring	Slide carrier for two chambers
Slide carrier (autoclavable)						
Cat. No.	1662	1670	1662	1670	1662	1670
+						
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						
Cat. No.	1692 (200 pcs.)	1692 (200 pcs.)	1692 (200 pcs.)	1691 (100 pcs.)	1694 (100 pcs.)	1693 (100 pcs.)



SYSTEM 3 – ROTOR AND ACCESSORIES

— Swing-out rotors

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

max. RPM max. RCF	4,000 min ⁻¹ 1,467
max. capacity	4 cyto chambers
run-up run-down, braked in sec	20 25
angle	90°
Cat. No.	1624



Bucket

lid	inclusive
Cat. No.	1680



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

max. RPM max. RCF	5,000 min ⁻¹ 1,842
max. capacity	6 cyto chambers
run-up run-down, braked in sec	20 22
angle	90°
Cat. No.	1626



Bucket

lid	inclusive
Cat. No.	1680



— Cyto chambers

Cyto chambers

area in mm ²	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

Cat. No.	1662	1662	1662
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Filter cards

Cat. No.	1696 (100 pcs.)	1697 (100 pcs.)	1698 (100 pcs.)
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Hettich centrifuges and their accessories comply with all applicable and current EU regulations. Every step of the workflow is subject to strict quality controls. The company is certified according to ISO 9001, ISO 13485, and ISO 14001. Hettich products are manufactured with the utmost care and responsibility.