SMALL CENTRIFUGES

EBA 200 | 200 S

TOP PERFORMANCE FOR SMALL LABORATORIES

The EBA 200 and EBA 200 S are practical, compact centrifuges for small sample sizes. The high speed S model can deliver reliable PPP results in 3 minutes or less. Included an 8-place fixed angle rotor to hold standard blood and urine tubes up to 15 ml in capacity.

HIGHLIGHTS

- max. RPM: 200 - 6,000 min $^{-1}$ | 8,000 min $^{-1}$ Adjustable in increments of 10
- max. RCF: 3,461 | 6,153
- max. capacity: 8 x 15 ml
- small centrifuge including 8-place angle rotor
- compact design
- IvD-conform according to directive 98/79/EC
- maximum noise level of ≤ 50 dB(A) | ≤ 55 dB(A)
- impulse key for short cycle mode
- 2 individual acceleration and deceleration stages
- easy operation with keypad

FEATURES

- plastic housing
- metal lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- light alloy chamber
- brushless drive
- error display
- imbalance monitoring and switch-off
- backlit panel with actual values of all parameters
- 3 adjustable messages after completion of the centrifugation run (audio + visual)

TECHNICAL DATA

	EBA 200	EBA 200 S
voltage *)	200 – 240 V 1 ~	200 – 240 V 1 ~
frequency	50 – 60 Hz	50 – 60 Hz
consumption	100 VA	160 VA
emission, immunity	EN/IEC 61326-1, class B	EN/IEC 61326-1, class B
max. capacity	8 x 15 ml	8 x 15 ml
max. RPM	6,000 min^{-1}	8,000 min^{-1}
max. RCF	3,461	6,153
running time	1 – 99 min, ∞ continuous run, short cycle mode (impulse button)	1 – 99 min, ∞ continuous run, short cycle mode (impulse button)
dimensions (W x D x H)	261 x 353 x 228 mm	261 x 353 x 228 mm
weight	approx. 9 kg	approx. 11 kg
max. noise level	≤ 50 dB (A)	≤ 55 dB (A)
Cat. No.	**1800**	**1802**
100 – 127 V 1 ~ / 50 – 60 Hz	1800-01	1802-01
emission, immunity	FCC class B	FCC class B

*) Other voltages on request.

AVAILABLE ROTORS

ANGLE ROTORS	angle	max. RPM	max. capacity	Cat. No	page
 angle rotor, 8-place	33°	6,000 min^{-1} | 8,000 min^{-1}	8 x 15 ml	**INCLUSIVE**	3

ANGLE ROTOR, 8-PLACE

Rotor		
max. RPM	EBA 200 I 200 S	6,000 min^{-1} I 8,000 min^{-1}
max. RCF		3,461 I 6,153
max. capacity		8 x 15 ml
run up / run down, braked in sec		17 / 12 I 37 / 17
angle		33°
Cat. No.		**INCLUSIVE**

Vessels																
capacity in ml		0.5	1.5	2	4	5	6	15	1.1 – 1.4	2.6 – 3.4	2.7 – 3	4.5 – 5	4.9	7.5 – 8.5	9 – 10	5
Ø x L in mm		10.7 x 36	11 x 38	11 x 38	10 x 88	12 x 75	12 x 82	17 x 100	8 x 66	13 x 65	11 x 66	11 x 92	13 x 90	15 x 92	16 x 92	17 x 59
max. RCF [2]	EBA 200	2,214	2,173	2,173	2,817	2,697	2,697	3,461	2,697	2,697	2,697	3,461	3,461	3,461	3,461	2,576
max. RCF [2]	EBA 200 S	3,935	3,864	3,864	5,009	4,794	4,794	6,153	4,794	4,794	4,794	6,153	6,153	6,153	6,153	4,579
radius in mm		55	54	54	70	67	67	86	67	67	67	86	86	86	86	64
Cat. No.		**Pediatric**	**microliter tubes**		**tubes [2]**				**blood collection / urine tubes**							**-**

+ Adapter																
boring Ø x L in mm		11 x 35	11 x 35	11 x 35	11.5 x 67.5	13.5 x 60	13.5 x 60	17.7 x 88	13.5 x 60	13.5 x 60	13.5 x 60	17.7 x 88	17.7 x 88	17.7 x 88	17.7 x 88	17 x 25
vessels per rotor		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Cat. No.		**1063-8 (8 pcs.)**			**6305**	**1054-A**	**1054-A**	**-**	**1054-A**	**1054-A**	**1054-A**	**-**	**-**	**-**	**-**	**1064**

Vessels								
capacity in ml		15	10	1.6 – 5	4 – 7	8	8.5-10	12
Ø x L in mm		17 x 120	15 x 102	13 x 75	13 x 100	16 x 125	16 x 100	17 x 102
max. RCF [2]	EBA 200	3,461	3,461	2,697	3,461	3,461	3,461	3,461
max. RCF [2]	EBA 200 S	6,153	6,153	4,794	6,153	6,153	6,153	6,153
radius in mm		86	86	86	86	86	86	86
Cat. No.		**-**	**blood collection / urine tubes**					

+ Adapter								
boring Ø x L in mm		17.7 x 88	17.7 x 88	13.5 x 60	13.5 x 79	17.7 x 88	17.7 x 88	17.7 x 88
vessels per rotor		4	8	8	8	4	8	4
Cat. No.		**-**	**-**	**1054-A**	**1058**	**-**	**-**	**-**

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

12) For the EBA 200 only! Model EBA 200 S is supplied as standard with an adapter for these tubes.

CERTIFICATIONS / REGISTRATIONS

Product certification:

www.tuev-sued.de/ps-zert

Product registration:

IVD CONFORM according to directive 98/79/EC

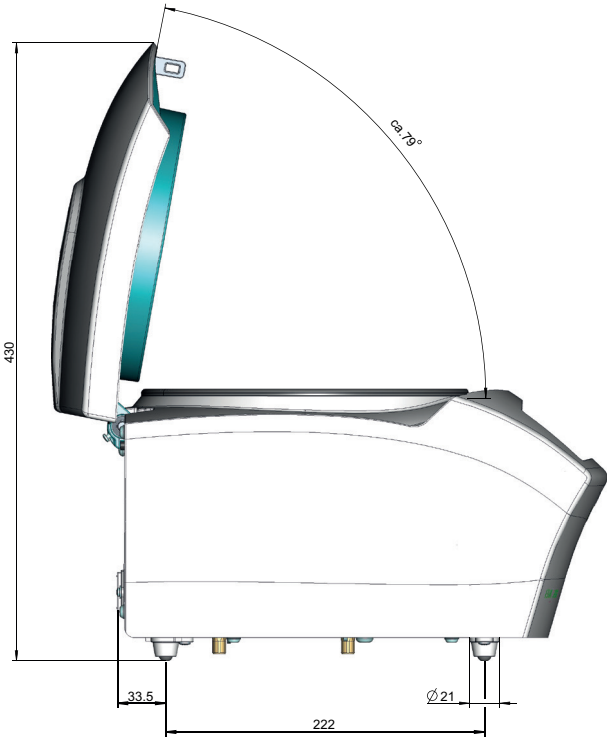
Company certifications:

DOWNLOADS

Operating Manual – EBA 200 | 200 S

General Catalog

DIMENSIONS – EBA 200 | 200 S



DS.0121-EN

Andreas Hettich GmbH & Co. KG
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Germany

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Phone +49 7461 705-0

CERTIFICATE

This is to certify that the company

Andreas Hettich GmbH & Co.KG

Föhrenstraße 12
78532 Tuttlingen
Germany

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System**.

Scope of certificate and applicable country-specific requirements:
Design and development, Manufacturing, Distribution and Servicing of laboratory centrifuges, centrifuges for separation of blood components for transfusion purposes, microbiological incubators
-AUS (a), BRA, CND, JPN, USA (a,b,c,d)

Through an audit, documented in a report, performed by DQS Medizinprodukte GmbH, it was verified that the management system fulfills the requirements of the following standard:

ISO 13485 : 2016 (MDSAP Audit Model Edition 2)

including country-specific requirements as shown in the scope
(full references are listed in the annex)

Certificate registration no.	546262 MDSAP16
Certificate unique ID	170761874
Effective date	2020-03-26
Expiry date	2023-03-25
Frankfurt am Main	2020-03-26

MDSAP
MEDICAL DEVICE SINGLE AUDIT PROGRAM

DQS Medizinprodukte GmbH

Sigrid Uhlemann
Managing Director

Szymon Kurdyn
Product Manager

August-Schanz-Straße 21, 60433 Frankfurt am Main,
Tel. +49 (0) 69 95427-300, medical.devices@dqs-med.de
DQS Medizinprodukte GmbH is recognized under the Medical Devices Single Audit Program.
Visit https://www.mydqs.com/en/customers/customer-database.html to validate this certificate.

413.01.001 Version 2.0

Annex to certificate
Certificate registration No.: 546262 MDSAP16
Certificate unique ID: 170761874
Effective date: 2020-03-26

Andreas Hettich GmbH & Co.KG

Föhrenstraße 12
78532 Tuttlingen
Germany

Audited site	DUNS No., site scope and country-specific requirements
Andreas Hettich GmbH & Co.KG Föhrenstraße 12 78532 Tuttlingen Germany	Design and development, Manufacturing, Distribution and Servicing of laboratory centrifuges, centrifuges for separation of blood components for transfusion purposes, microbiological incubators **AUS (a), BRA, CND, JPN, USA (a,b,c,d)** **DUNS No.: 316403245**

Annex to certificate
Certificate registration No.: 546262 MDSAP16
Certificate unique ID: 170761874
Effective date: 2020-03-26

Andreas Hettich GmbH & Co.KG

Föhrenstraße 12
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Full references of country-specific requirements of MDSAP participating Regulatory Authorities

Abbreviation	Jurisdiction	Reference
AUS	Australia	(a) Therapeutic Goods (Medical Devices) Regulations 2002, Schedule 3, Part 1 – Full Quality Assurance Procedure (b) Therapeutic Goods (Medical Devices) Regulations 2002, Schedule 3, Part 4 – Production Quality Assurance Procedure
BRA	Brazil	RDC ANVISA n. 16/2013 RDC ANVISA n. 23/2012 RDC ANVISA n. 67/2009
CND	Canada	Medical Device Regulations SOR/98-282, Part 1
JPN	Japan	MHLW Ministerial Ordinance No. 169 (2004) as amended by MHLW Ordinance No. 128 (2014), Articles 4 to 68 Japan PMD Act (as applicable)
USA	United States	(a) 21 CFR Part 803 (b) 21 CFR Part 806 (c) 21 CFR Part 807 (d) 21 CFR Part 820 (e) 21 CFR Part 821

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CUSTOMER INFORMATION

TRANSITION PHASE - MDR 2017/745 AND IVDR 2017/746

Tuttlingen, 09.04.2020

Dear valued Customer,

Andreas Hettich GmbH & Co. KG as legal manufacturer is required to comply with EU Medical Device Regulation 2017/745 and EU In-Vitro Diagnostic Medical Device Regulation 2017/746 for the following medical devices / in vitro diagnostic medical devices:

Medical Devices	ROTO SILENTA 630 RS, ROTIXA 500 RS, ROTANTA 460; ROTANTA 460R, ROTANTA 460RC; ROTANTA 460RF
IVD Medical Devices	EBA 200; EBA 200S, EBA 270, EBA 280; EBA 280S, MIKRO 220; MIKRO 220R, UNIVERSAL 320; UNIVERSAL 320R, MIKRO 185, MIKRO 200; MIKRO 200R, ROTOFIX 32A, ROTINA 380; ROTINA 380R, ROTINA 420; ROTINA 420R, HAEMATOKRIT 200; HETTCUBE ff.

We started already our transition phase in the beginning of 2019 and are currently under implementation of the new requirements.

Our current EN ISO 13485:2016 Certificate, MDSAP Certificate and CE-Certificate MDD 93/42/EEC Annex II remains valid until the end of the transition phase for our in vitro diagnostic devices under IVDR 2017/746 until **26.05.2022** and for our medical devices under MDR 2017/745 until **26.05.2024**.

We will publish the successful transition of our product portfolio on our web page as soon as available.

Mit freundlichen Grüßen / Best regards,
Andreas Hettich GmbH & Co. KG

i.A.

Christian von der Grün
Head of Regulatory & Quality Affairs

ALLG000104

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To our customers

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www.hettichlab.com

REACH Compliance

Tuttlingen, den 03. April 2018

Dear Sir or Madam,

We are advising you with this letter, in compliance with the REACH EU Regulation for Chemicals and their safe use (Regulation (EC) No. 1907/2006), that Andreas Hettich GmbH & Co. KG is not an importer or manufacturer of substances or preparations but the company does import products in accordance with REACH. Consequently, the products which we supply you with do not need to be pre-registered or registered.

As part of the supply chain, we have an obligation to ensure that the substances in the products are registered within the specified periods and our customers receive the information they are entitled to in accordance with Art. 33 of the REACH regulation. For this reason, we are in contact with our suppliers with regard to their procedures.

We can confirm the following based on all the responses we have received from our suppliers to date:

- Our suppliers and subsuppliers confirm that they comply with REACH so substances which need to be registered have been registered by each of our upstream suppliers.

- To date, we have not received notification from any of our suppliers about products which contain in excess of 0.1 percent by weight of Substances of Very High Concern (SVHC substances). According to the information currently in our possession, the products we supply to your company consequently do not contain any SVHC substances in accordance with the current list, which is published on the website of the European Chemicals Agency (ECHA), with a concentration in excess of 0.1 percent by weight. Should this status change in any way, we will advise you of this immediately.

We hope you will understand that we are not able to deal with any standard questionnaires on these issues.

Mit freundlichen Grüßen / Best regards,
Andreas Hettich GmbH & Co. KG

i.A.

Christian von der Grün
Head of Regulatory- & Quality Affairs

ALLG000103

Anexa 4. Centrifuga de laborator(12 tuburi)

EBA 200

Parametri solicitati	Parametri oferiti
Anul de producere: 2021 Capacitate: rotor inclus pentru 12 eprubete de 10-15 ml Tip Rotor: Basculant RPM: setabil, 1000-6000 rpm, RCF: setabil Abaterea maximă de la viteza setată: 5% Sistem de blocare a capacului in timpul functionarii. Protecție la debalansare. Protecție la pornire cu capacul deschis. Durata ciclu: 0-60 min, Pasul de incrementare timp de lucru: 10 s Afișare: Viteza actuală, timp rămas. Tip interfață: Display LCD Alimentare: 210-230 V 50 HZ Tip motor: fără perii. Capacul sa fie transparent sau dotat cu fereastra sau alta cale de acces, necesar pentru efectuarea procedurii de verificare periodica a turatiilor, conform normelor și standardelor în vigoare. Cerințe de certificare: Certificat CE sau declarație de conformitate CE cu anexele corespunzătoare pentru produsele oferite, valabil, copie confirmată prin semnatura și ștampila participantului. Declarație de la Ofertant – confirmată prin semnatura și ștampila, în care să certifice termenul de garanție pentru echipament și accesorii nu mai mic de 36 luni din momentul instalării/darii în exploatare a bunului. Instalarea, darea in exploatare, de către participantul câștigător-obligatoriu. Training pentru utilizatori la instalare și la solicitare-obligatoriu. Documente confirmative: Manual de service si manual de utilizare in conformitate cu LEGEA Nr. 102 cu privire la dispozitivele medicale din 09.06.2017, capitolul 4 Articolul 14. P. 3. //Ghid rapid al utilizatorului (max. 4 pagini A4), in limba de stat-obligatoriu.	Anul de producere: 2021 Capacitate: rotor inclus pentru **8 eprubete** de 10-15 ml Tip Rotor: Basculant RPM: setabil, 1000-6000 rpm, RCF: setabil Abaterea maximă de la viteza setată: 5% Sistem de blocare a capacului in timpul functionarii. Protecție la debalansare. Protecție la pornire cu capacul deschis. Durata ciclu: 0-99 min, Pasul de incrementare timp de lucru: 10 s Afișare: Viteza actuală, timp rămas. Tip interfață: Display LCD Alimentare: 210-230 V 50 HZ Tip motor: fără perii. Capacul sa fie transparent sau dotat cu fereastra sau alta cale de acces, necesar pentru efectuarea procedurii de verificare periodica a turatiilor, conform normelor și standardelor în vigoare. Cerințe de certificare: Certificat CE sau declarație de conformitate CE cu anexele corespunzătoare pentru produsele oferite, valabil, copie confirmată prin semnatura și ștampila participantului. Declarație de la Ofertant – confirmată prin semnatura și ștampila, în care să certifice termenul de garanție pentru echipament și accesorii nu mai mic de 36 luni din momentul instalării/darii în exploatare a bunului. Instalarea, darea in exploatare, de către participantul câștigător-obligatoriu. Training pentru utilizatori la instalare și la solicitare-obligatoriu. Documente confirmative: Manual de service si manual de utilizare in conformitate cu LEGEA Nr. 102 cu privire la dispozitivele medicale din 09.06.2017, capitolul 4 Articolul 14. P. 3. //Ghid rapid al utilizatorului (max. 4 pagini A4), in limba de stat-obligatoriu.