



Centrisart® A-14

Micro-Centrifuge

Advantages

- Optimum combination – Rotors for Sartorius VivaSpin® filtration units
- Sample protection – Air driven rotor chamber cooling
- Compact – Very small footprint (21 × 18 cm)
- Volume | Capacity: 24 × 2 ml | 48 ml



Product Description

The microcentrifuge Centrisart® A14 is an extremely compact and space-saving device. The powerful centrifuge provides a maximum speed of 14,800 rpm and a capacity of 24 × 2 ml. Microcentrifuge A-14 is ideal suited for nucleic acid isolation and purification using spin-columns and concentrating biological samples using Sartorius VivaSpin® 500 units.

Processes like sample concentration of e.g. antibody solutions by ultrafiltration, desalting or buffer exchange, as well as removal of contaminations with small or very large molecular weights, are particularly supported through the special VivaSpin® 500 ultrafiltration unit-tailored rotor YCSR-A1C. In addition, the microcentrifuge is well-suited to sediment cells or particles in small volumes. The device provides large control buttons and easy-to-read displays to facilitate quick and easy input or selection of centrifugation parameters and convenient operation.

Thanks to its compact dimensions the microcentrifuge Centrisart® A14 fits on any laboratory bench. The low height and the motorized lid lock ensure convenient sample loading and removal. Upon a gentle push the lid closes automatically. On completion the lid can be unlocked by a single key stroke and lifts autonomously. With just one finger the lid can then be opened completely and is securely kept open by a spring mechanism. During centrifugation runs the electronic lid lock prevents accidental opening of the lid to provide extensive user protection.

Microcentrifuge Centrisart® A14 represents exceptional product quality and meets even the highest safety requirements. Amongst others, the high quality is reflected by the low-level noise of max. 53 dB and the chemical resistance of the materials processed. Spreading of aerosols is safely prevented by a rotor cover with quick-locking function and both, the rotor chamber and the rotors can easily be cleaned. With air-driven cooling of the rotor chamber the Centrisart® A-14 reliably ensures uniform temperature distribution and protects samples from overheating. For temperature-sensitive samples, the microcentrifuge Centrisart® A-14C is additionally equipped with an active cooling system.

Special Features

- Splash-proof keypad with clear display
- Keys with tactile feedback
- Operation with gloves possible
- Automatic conversion of speed and RCF
- Speed 200-14,800 rpm, adjustable in steps of 100 rpm
- Max. gravitational field (RCF) 16,162 g, adjustable in increments of 10 x g
- Timer 10 sec. – 99 min., adjustable in steps of 1 sec., short run, continuous run
- Optional soft start or soft stop
- Memory of the last setting
- An air-driven cooled rotor chamber
- Maintenance-free motor
- Motorized lid lock, automatic lid release
- Emergency lid lock release
- Ergonomic operation of the lid with one finger
- High chemical resistance
- Pleasantly quiet operation

Technical Specifications

Max. speed rpm	14,800
Max. capacity	24 × 2 ml
Max. gravitational field	16,162 g
Min. speed rpm	200
Display	LCD, 50 × 37 mm
Motor	Maintenance-free, brushless drive motor
Timer	10 sec. – 99 min. 59 sec., short run continuous run
Lid-lock release	Motorized locked lid, automatic lid-lock release
Lid	Inspection window for independent speed measurement
Rotor	Fixed angle rotor
Programs	10
Acceleration curves	2
Deceleration curves	2
Dimensions (W × D × H)	212 × 266 × 176 mm
Height with open lid	310 mm
Weight	6 kg
Noise level at max. speed	53 dB
Power consumption	95 W

Order Information

Order Number	Description
A-14-1EU	Centrisart® A-14 centrifuge 220 – 240 V; 50 60 Hz
A-14-1US	Centrisart® A-14 centrifuge 110 – 120 V; 50 60 Hz
A-14-1EU-SET	Set Centrisart® A-14 centrifuge, 220 – 240 V, 50 60 Hz, incl. rotor YCSR-A1C
A-14-1US-SET	Set Centrisart® A-14 centrifuge, 100 – 120 V, 50 60 Hz, incl. rotor YCSR-A1C

Accessories

Order Number	Description
YCSR-A2B	Fixed angle rotor for 24 × 1.5 2.0 ml conical reaction tubes, incl. polysulfone lid YCSM-A1B (not available for A-14-1US)
YCSR-A1C	Fixed angle rotor made of polypropylene for 12 × 1.5 2.0 ml conical reaction tubes or 12 × Vivaspin® 500, incl. polysulfone lid YCSR-A1C
YCSA-1	Adapter for 0.25 0.4 ml reaction tubes for rotors YCSR-A2B, YCSR-A4B and YCSR-A6B, 1 set = 2 pcs.
YCSA-2	Adapter for 0.5 0.75 ml reaction tubes \varnothing 7.9/10 × 28/31 mm for rotors YCSR-A2B, YCSR-A4B and YCSR-A6B, 1 set = 2 pcs.
YSCA-4	Adapter for 0.2 ml PCR reaction tubes for rotors YCSR-A2B, YCSR-A4B and YCSR-A6B, 1 set = 2 pcs.

Technical Data Rotors

Order Number	Rmax [mm]	Rmin [mm]	rpm	RCF
YCSR-A2B	66	30	14,800	16,163
YCSR-A1C	62	29	14,800	15,183

Sales and Service Contacts

For further contacts, visit www.sartorius.com

Europe

Germany

Sartorius Lab Instruments
GmbH & Co. KG
Otto-Brenner-Strasse 20
37079 Goettingen
Phone +49.551.308.0
Fax +49.551.308.3289

France & Suisse Romande

Sartorius France
2, rue Antoine Laurent de Lavoisier
ZA de la Gaudrée
91410 Dourdan
Phone +33.1.70.62.50.00
Fax +33.1.64.59.76.39

Austria

Sartorius Austria GmbH
Modecenterstrasse 22
1030 Vienna
Phone +43.1.7965760.0
Fax +43.1.7965760.24

Belgium

Sartorius Belgium N.V.
Rue Colonel Bourg 105
1030 Bruxelles
Phone +32.2.756.06.90
Fax +32.2.481.84.11

Finland & Baltics

Sartorius Biohit Liquid Handling Oy
Laippatie 1
00880 Helsinki
Phone +358.9.755.951
Fax +358.9.755.95.200

Hungary

Sartorius Hungária Kft.
Kagyló u. 5.
2092 Budakeszi
Phone +3623.457.227
Fax +3623.457.147

Ireland

Sartorius Ireland Ltd.
Unit 41, The Business Centre
Stadium Business Park
Ballycoolin Road
Dublin 11
Phone +353.1.8089050
Fax +353.1.8089388

Italy

Sartorius Italy S.r.l.
Via Torino 3/5
20814 Varedo (MB)
Phone +39.039.4659.1
Fax +39.039.4659.88

Netherlands

Sartorius Netherlands B.V.
Phone +31.30.60.53.001
Fax +31.30.60.52.917
info.netherlands@sartorius.com

Poland

Sartorius Poland sp.z o.o.
ul. Wrzesinska 70
62-025 Kostrzyn
Phone +48.61.6473830
Fax +48.61.6473839

Russian Federation

LLC "Sartorius RUS"
Uralskaya str. 4, Lit. B
199155 St. Petersburg
Phone +7.812.327.53.27
Fax +7.812.327.53.23

Spain & Portugal

Sartorius Spain, S.A.
Avda. de la Industria, 32
Edificio PAYMA
28108 Alcobendas (Madrid)
Phone Spain +34.913.586.095
Phone Portugal +351.800.855.800
Fax Spain +34.913.589.623
Fax Portugal +351.800.855.799

Switzerland

Sartorius Mechatronics Switzerland AG
Ringstrasse 24a
8317 Tagelswangen (ZH)
Phone +41.44.746.50.00
Fax +41.44.746.50.50

U.K.

Sartorius UK Ltd.
Longmead Business Centre
Blenheim Road, Epsom
Surrey KT19 9QQ
Phone +44.1372.737159
Fax +44.1372.726171

Ukraine

LLS "Sartorius RUS"
Post Box 440 "B"
01001 Kiev, Ukraine
Phone +380.44.411.4918
Fax +380.50.623.3162

Americas

USA

Sartorius Corporation
5 Orville Drive, Suite 200
Bohemia, NY 11716
Phone +1.631.254.4249
Toll-free +1.800.635.2906
Fax +1.631.254.4253

Argentina

Sartorius Argentina S.A.
Int. A. AVALOS 4251
B1605ECS Munro
Buenos Aires
Phone +54.11.4721.0505
Fax +54.11.4762.2333

Brazil

Sartorius do Brasil Ltda
Avenida Senador Vergueiro 2962
São Bernardo do Campo
CEP 09600-000 - SP- Brasil
Phone +55.11.4362.8900
Fax +55.11.4362.8901

Canada

Sartorius Canada Inc.
2179 Dunwin Drive #4
Mississauga, ON L5L 1X2
Phone +1.905.569.7977
Toll-Free +1.800.668.4234
Fax +1.905.569.7021

Mexico

Sartorius de México, S.A. de C.V.
Libramiento Norte de Tepetzotlan s/n,
Colonia Barrio Tlacateco,
Municipio de Tepetzotlan,
Estado de México,
C.P. 54605
Phone +52.55.5562.1102
Fax +52.55.5562.2942
leadsmex@sartorius.com

Peru

Sartorius Peru S.A.C.
Av. Emilio Cavenecia 264 San Isidro
15073 Lima, Perú
Phone +51.1.441 0158
Fax +51.1.422 6100

Asia | Pacific

Australia

Sartorius Australia Pty. Ltd.
Unit 5, 7-11 Rodeo Drive
Dandenong South Vic 3175
Phone +61.3.8762.1800
Fax +61.3.8762.1828

China

Sartorius (Shanghai) Trading Co., Ltd.
3rd Floor, North Wing, Tower 1
No. 4560 Jinke Road
Zhangjiang Hi-Tech Park
Pudong District
Shanghai 201210, P.R. China
Phone +86.21.6878.2300
Fax +86.21.6878.2882

Hong Kong

Sartorius Hong Kong Ltd.
Unit 1012, Lu Plaza
2 Wing Yip Street
Kwun Tong
Kowloon, Hong Kong
Phone +852.2774.2678
Fax +852.2766.3526

India

Sartorius Weighing India Pvt. Ltd.
#69/2-69/3, NH 48, Jakkasandra,
Nelamangala Tq
562 123 Bangalore, India
Phone +91.80.4350.5250
Fax +91.80.4350.5253

Japan

Sartorius Japan K.K.
4th Fl., Daiwa Shinagawa North Bldg.
8-11, Kita-Shinagawa 1-chome
Shinagawa-ku, Tokyo, 140-0001 Japan
Phone +81.3.3740.5408
Fax +81.3.3740.5406

Malaysia

Sartorius Malaysia Sdn. Bhd
Lot L3-E-3B, Enterprise 4
Technology Park Malaysia
Bukit Jalil
57000 Kuala Lumpur, Malaysia
Phone +60.3.8996.0622
Fax +60.3.8996.0755

Singapore

Sartorius Singapore Pte. Ltd
1 Science Park Road,
The Capricorn, #05-08A,
Singapore Science Park II
Singapore 117528
Phone +65.6872.3966
Fax +65.6778.2494

South Korea

Sartorius Korea Ltd.
8th Floor, Solid Space B/D,
PanGyoYeok-Ro 220, Bundang-Gu
SeongNam-Si, GyeongGi-Do, 463-400
Phone +82.31.622.5700
Fax +82.31.622.5799

Thailand

Sartorius (Thailand) Co. Ltd.
129 Rama 9 Road,
Huaykwang
Bangkok 10310
Phone +66.2643.8361-6
Fax +66.2643.8367



◀ www.sartorius.com