

Heating • Mixing • Cooling

Spend More Time with the Family!



2 customized to your individual requirements. family members offer a wide range of possible applications. space-saving! The various features of the respective this: versatile, highly precise and, therefore, reliable and The Eppendorf Thermo/Mixer family is the ideal partner for transport of the samples under defined conditions. requires mixing and/or temperature control, storage and Based on the type of application and sample, preparation work and highly important for the modern laboratory routine. Sample preparation is a major component of experimental or PCR plates: it stays in the family! micro test tubes or deepwell plates, microplates Whether mixing, heating or cooling the most varied an ideal system for your sample preparation. thermoblocks and the IsoTherm system, you can build Together with a large selection of exchangeable

Big Family Reunion

Eppendorf MixMate, Thermomixer and ThermoStat plus



3

Eppendorf MixMate

type of plate format (up to 384 wells) and One of the most effective mixers for every

> The ideal device for heating, mixing and thermomixing in 1.5 ml Eppendorf Thermomixer compact

Our Youngest One Gives Adult Results

Eppendorf MixMate

of samples is growing, and the use of 96-well in the field of sample preparation. automatically placed on the equipment, especially With these developments, new demands are and 384-well plates is significantly increasing. The volumes are becoming smaller, the number

of your results! no longer doubt the reliability and reproducibility for a sound result. Thanks to the MixMate, you will blending of a reaction sample is the prerequisite Every user in the laboratory is aware of the importance of mixing - complete and effective

Applications

- Resuspending pellets (bacteria, DNA, cell cultures)
- Blending viscous liquids and suspensions
- (incl. beads)
- Mixing restriction preparations, calorimetric assays
- and PCR preparations
- Immunoassays
- Solubility tests
- Vortexing various tube formats
- More information available at

www.eppendorf.com/mixmate

Ordering information

Advantages/Product features

- Flexible tube selection with micro test tubes and plates
- Most effective plate mixing of 96 to 384 wells
- ²⁰Mix-Control for controlled mixing of the smallest volumes
- Anti-spill technology prevents lid wetting and cross contamination
- Integrated vortex function for mixing individual tubes
- Minimal hand-arm vibration transfer during vortexing (PhysioCare Concept)
- Preprogrammed softkeys ensure optimal mixing parameters
- Automatic imbalance detection prevents sample loss
- Extremely quiet running ensures a quiet laboratory

hysioCare Concept is a registered trademark of Eppendorf AG

0

001

00

PhysioCare

Arean a Jonan

semi-skirted or unskirted MixMate®, incl. 3 tube holders: PCR 96. Tube holder 0.5 ml, for 24 × 0.5 Description Tube holder PCR 96, for 96 × 0 0.5 ml 1.5/2.0 m

Tube holder 1.5/2.0 ml, for 24 × 1.5 ml or 2.0 ml micro test tubes	Tube holder 0.5 ml, for 24 × 0.5 ml micro test tubes	semi-skirted or unskirted	Tube holder PCR 96, for 96 x 0.2 ml PCR tubes, PCR strips or 96-well PCR plates,	MixMate®, incl. 3 tube holders: PCR 96, 0.5 ml, 1.5/2.0 ml
5353 040.130	5353 040.121		5353 040.113	5353 000.014

International





The Family Classic

Eppendorf Thermomixer compact



Space-saving via small footprint

Applications

- Plasmid purification
- In Enzyme reactions (DNA restriction digestion,
- proteinase K digestion)
- Transformation of bacterial strains and plasmids
- Denaturation of DNA, RNA, proteins
- Bacterial culture
- Resuspending pellets (bacteria, DNA, cell cultures)
- Calorimetric assays

More information available at

www.eppendorf.com/thermomixer-compact

Advantages/Product features

- Securely installed thermoblock for 24 × 1.5 ml micro test tubes
- Wide range of application due to heating, passive cooling,
- Low-noise operation with or without mixing function
- Best thermal insulation protects both use
- and environment (minimal heat emission)
- Simple sample cooling and handling with enclosed IsoRack and IsoPack (cool pack 0 °C)

art/Stop



Description

Thermomixer[®] compact complete with thermoblock 1.5 ml, 1 IsoTherm Rack and 1 IsoTherm cool pack 0 $^\circ \rm C$

5350 000.013 International



-

A Real Go-Getter

Eppendorf Thermomixer comfort

control, mixing, and rest phases and subsequent cooling (to 13 °C below room temperature). freely selectable program runs with temperature ized by a high degree of user friendliness, with two Furthermore, the Thermomixer comfort is charactercustomizations to your laboratory requirements. easily and quickly exchanged, offer individual An assortment of 10 thermoblocks, which can be steps at once: the simultaneous mixing and temperature control of your sample material. the convenient possibility of completing two work possibilities in the microliter range. It also features Incubator, mixer and thermomixer, all in one! The Thermomixer comfort offers a variety of

Applications

- Plasmid purification
- Enzyme reactions (e.g., DNA restriction digestion,
- proteinase K digestion)
- Transformation of bacterial strains and plasmids
- Denaturation of DNA, RNA, proteins
- Bacterial culture
- Resuspending pellets (bacteria, DNA, cell culture)

0.5 m

- calorimetric assays
- Immunoprecipitation
- Hybridization of microarrays
- In situ hybridization

www.eppendorf.com/thermomixer-comfort More information available at



Advantages/Product features

- Large temperature range and wide range of applications
- High flexibility: 10 different exchangeable thermoblocks due to heating and active cooling using Peltier technology
- Automatic block detection and display of the maximum number of revolutions
- Device control and documentation in accordance Low-noise operation and best temperature transfer due to custom fit of tubes in the exchangeable thermoblock

with GLP via the RS 232 interface

- -----

15ml



Description

* For accessories, see reverse Thermomixer® comfort basic unit without exchangeable thermoblock*

International

5355 000.011



The Temperature Expert

Eppendorf ThermoStat plus





Advantages/Product features

Sample cooling to -5 °C Precise holding of different temperature levels

Up to 4 temperature and time phases are programmable

High flexibility for all common lab tubes due to

11 different exchangeable thermoblocks

CombiBox for tubes of various sizes

000

Applikationen

Ligation of cDNA and plasmid vector

- Nucleic acid restriction digestion
- cDNA synthesis
- Proteinase K digestion
- Transformation of bacterial strains with plasmids
- Denaturation of nucleic acids and proteins

Som

- Microarrays
- In situ hybridization

Immunohistochemistry

More information available at

www.eppendorf.com/thermastat-plus

Description

Ordering information

* For accessories, see reverse ThermoStat plusTM basic unit without exchangeable thermoblock*

> 5352 000.010 International



(H



These Members Complete the Family

The IsoTherm System

A larger number of samples must be simultaneously centrifuged and subsequently resuspended, incubated or re-analyzed. Practical: The IsoTherm System avoids the time-consuming transfer of individual micro test tubes! All of the samples can be conveniently processed and transferred, safely transported and stored in a space-saving manner. Cooled or frozen samples are cooled effectively and continuously for many hours at -21 °C or 0 °C. Of course, the IsoRacks are compatible with the thermoblocks and tube holders for micro test tubes and can be centrifuged in the MTP rotor.

Ordering information on reverse.

Advantages/Product features IsoRacks

- Simple handling of many samples simultaneously
- Stackable and lockable for secure storage or transport of many samples
- Autoclavable
- Can be centrifuged in the MTP rotor
- Buoyant in the water bath

IsoPacks

- Dry and space-saving cooling method
- No melting ice baths
- Reduced risk of sample contamination
- Perfect for sample cooling, storage and transport

IsoSafe

- Supports cooling inside the IsoPack for hours
- No frost formation with closed lid
 Space-saving



Ordering information for exchangeable thermoblocks

Ordering information for IsoTherm

	Contract of the second second second
Description	International
Exchangeable thermoblocks for micro test tubes, complete with IsoTherm Rack and IsoTherm cool pack 0 °C for	
24 × 0.5 ml 24 × 1.5 ml	5361 000.015
24 × 2.0 ml	5362 000.019
Exchangeable thermoblock for MTPs and deepwell plates, with lid	5363 000.012
Adapter plate for 96 × 0.2 ml PCR tubes and PCR plates, for application in the exchangeable thermoblock for MTPs	5363 007.009
Exchangeable thermobilock for Falcon [®] tubes for 8 × 15 ml 4 × 50 ml	5366 000.013 5365 000.010
Exchangeable thermoblock for 24 tubes, Ø 11-11.9 mm, height 30-76 mm	5364 000.016
Exchangeable thermoblock for 1.5-2 ml Cryo tubes, for 24 tubes, outside diameter max. 12.5 mm; all bottom shapes	5367 000.017
Exchangeable thermoblock for 4 slides, for hybridization experiments	5368 000.010
Exchangeable thermoblock for slides DC, for 4 Eppendorf DualChip microarrays – assortment on request	5368 000.100
Exchangeable thermoblock CombiBox for any tubes (except for ThermoStat plus) shelving space $13.5 \times 9.0 \times 6.0$ cm (W × D × H)	5352 100.007

24 micro test tubes 0.5 ml 24 micro test tubes 1.5 ml 99 °C	Technical specifications for exchangeable thermoblocks Exchangeable thermoblock for Max. Temp M	IsoSafe and IsoPack (1 IsoSafe and set of 3 IsoPack), for 3880 0 0.5 ml tubes, 0 °C 3880 0 0.5 ml tubes, -21 °C 3880 0 1.5/2.0 ml tubes, -21 °C 3880 0 1.5/2.0 ml tubes, -21 °C 3880 0	IsoRack (set of 4 racks), for 3880 0 0.5 ml tubes 3880 0 1.5/2.0 ml tubes 3880 0	IsoPack and IsoRack set (1 IsoPack and 1 IsoRack), for 3880 000.160 0.5 ml tubes, 0 °C 3880 000.178 1.5/2.0 ml tubes, -21 °C 3880 001.166 1.5/2.0 ml tubes, -21 °C 3880 001.166	IsoTherm System® starter set (IsoSafe, IsoRack, 0 °C IsoPack and IsoPack), for 0.5 ml tubes 1.5/2.0 ml tubes 3880 000.011	Description International
1,500 1,400 1,400*	Max. rpm	3880 000.020 3880 000.046 3880 001.026 3880 001.042	3880 000.038 3880 001.034	3880 000.160 3880 000.178 3880 001.166 3880 001.174	00.011	ational

" With a payload of, e.g., 200 g, the max, rpm is 800.

4 slides or 4 DualChip microarrays CombiBox (only ThermoStat plus) 8 Falcon® tubes 15 ml

4 Falcon[®] tubes 50 ml 1.5–2 ml Cryo tubes

99 °C 99 °C

> 750 1,400 1,400



Tel: +1 516 334 7500 · Toll free phone: +1 800-645-3050 · Fax: +1 516 334 7506 · E-mail: info@eppendorf.com Application Support Europe: Tel: +49 1803 666 789 (Preis je nach Tarif Im Ausland; 9 ct/min aus dem dt. Festnetz; Mobilfunkhöchstpreis 42 ct/min) Eppendorf AG · 22331 Hamburg · Germany · Tel: +49 40 53801-0 · Fax: +49 40 538 01-556 · E-mail: eppendorf@eppendorf.com Eppendorf North America, Inc. · 102 Motor Parkway · Hauppauge, N.Y. 11788-5178 · USA Asia Pacific: Tel: +60 3 8023 6869 · E-mail: support_asiapacific@eppendorf.com North America: Tel: +1 800 645 3050 · E-mail: techserv@eppendorf.com E-mail: support@eppendorf.com

S apinament of the of the share of the state of the state

Your local distributor: www.eppendorf.com/worldwide

on, Franklin Lakes, USA. eppendorf[®], MixMate[®], Eppendorf Thermomixer[®], Thermomixer[®] and IsoTherm System[®] are registered trademarks and IoStat plus are trademarks of Eppendorf AG. All rights reserved, including graphics and images. Copyright © 2009–2011 by Eppendorf AG. - Printed climate neutrally in Germany