

➤ Overhead Shakers

Complies with standards for the determination of elutriation with water



Reax 20

Overhead shakers for 4, 8 or even 12 bottles

- Set and continuously adjust the variable speed on the analog control knob from 1 to 16 rpm – ideal for waste water analysis
- Other rotation speeds available upon request, for example 0.5 to 8 rpm or 2 to 32 rpm
- Easy and fast attachments of bottles
- Other vessels with 160 - 290 mm height and max. 136 mm diameter can be used with attachments

Reax 20/4 (not shown)
P/N 541-20004-00
Accessories: Category G

Reax 20/8
P/N 541-20008-00
Accessories: Category G

Reax 20/12 (not shown)
P/N 541-20012-00
Accessories: Category G

Reax 2

- Quickly clamps in 2 vessels of any size and accepts load capacities up to 1 kg
- Speed continuously adjustable from 20 to 100 rpm
- Universal adaptor allows for the use of various vessels of 50 - 160 mm height
- In addition, an optional adaptor is available for the use of 20 test tubes at a time



P/N 541-21001-00
Accessories: Category F

➤ Accessories



A
Test tube tray, large
For test tubes and flasks up to 50 ml
P/N 549-19000-00



A
Test tube holding device
Attachment to hold one test tube safely for continuous shaking
P/N 549-20000-00



A
Attachment for 10 test tubes
Foam attachment provides space for 10 test tubes for simultaneously mixing with just one shaker
P/N 549-01000-00



A
Test tube stand
For up to 6 Eppendorf vessels (1.5 ml)
P/N 549-04000-00



B
Tension roller attachment
Attachment with 2 tension rollers
P/N 549-81000-00



B
Spare tension roller
1 tension roller for attachment
P/N 549-81000-00
P/N 11-008-007-08

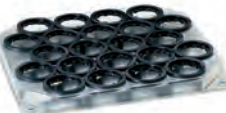


B
Perforated platform 100
Universal perforated platform allows for individual arrangement of vessels
P/N 549-59100-00



C
Test tube attachment
For up to 49 test tubes with Ø 12 mm, length up to 80 mm
P/N 549-82000-00

For up to 36 test tubes with Ø 16 mm, length up to 80 mm
P/N 549-83000-00



D
25-ml Erlenmeyer attachment
Attachment for up to 22 Erlenmeyer flasks with a size of 25 ml
P/N 549-72000-00



D
50-ml Erlenmeyer attachment
Attachment for up to 14 Erlenmeyer flasks with a size of 50 ml
P/N 549-73000-00



D
100-ml Erlenmeyer attachment
Attachment for up to 9 Erlenmeyer flasks with a size of 100 ml
P/N 549-74000-00



D
250-ml Erlenmeyer attachment
Attachment for up to 5 Erlenmeyer flasks with a size of 250 ml
P/N 549-75000-00



D
500-ml Erlenmeyer attachment
Attachment for up to 4 Erlenmeyer flasks with a size of 500 ml
P/N 549-76000-00



D
1000-ml Erlenmeyer attachment
Attachment for up to 2 Erlenmeyer flasks with a size of 1000 ml
P/N 549-77000-00



D
Perforated platform 1000
Universal perforated platform allows for individual arrangement of vessels
P/N 549-59200-00



D
Separatory funnel attachment
Attachment for 4 separatory funnels (50 ml, conical) or 4 separatory funnels (100 ml, conical)
P/N 549-78000-00



D
Frame with tension roller
Attachment with 2 tension rollers
P/N 549-70000-00



D
Spare tension roller
1 tension roller as accessory for attachment
P/N 549-70000-00
P/N 549-71000-00



E
Separatory funnel clamp (250 ml, 500 ml, 1000 ml)
For perforated platform 2000, space for max. 4 (250-ml), 3 (500-ml) or 3 (1000-ml) clamps
P/N 549-57000-00



E
Separatory funnel clamp (2000 ml)
For perforated platform 2000, space for max. 2 clamps
P/N 549-61000-00



E
Perforated platform 2000
Universal perforated platform allows for individual arrangement of vessels
P/N 549-59000-00



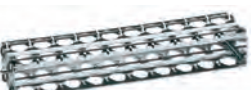
E
Frame tension roller
Frame without tension roller
P/N 549-50000-00



E
Tension roller
1 tension roller for the frame
P/N 549-50000-00, please order 2 pcs. min.
P/N 549-58000-00



E
Multi-tier attachment
Includes perforated platform 2000 and 4 supporting rods
P/N 549-62000-00



F
Adaptor for 20 test tubes
Allows for simultaneously mixing 20 test tubes Ø 10-18 mm with just one shaker
P/N 549-21000-00



G
Tension plate for caps
Allows for the use of common bottles with Ø 94 mm
P/N 11-001-001-81

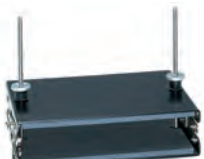


G
Attachment for 1-l bottles
(Set of 4) Allows for the use of four 1-liter bottles
P/N 549-26000-00



G
Attachment for 0.5-l bottles
(Set of 4) Allows for the use of four 0.5-l bottles
P/N 549-27000-00

Included as a standard:



F
Universal adaptor
Allows for using common vessels and test tube racks; max. span height: 160 mm
P/N 549-30000-00



H
Carousel attachment
For up to 12 test tubes (Ø 16-32 mm, length 120 mm)
P/N 549-03000-00



H
Carousel attachment
For up to 26 test tubes (Ø 10-16 mm, length 160 mm)
P/N 549-01600-00

Accessories for:

- A** Reax top/control
- B** Vibramax 100, Rotamax 120
- C** Vibramax 110
- D** Unimax 1010, Duomax 1030, Polymax 1040, Promax 1020

- E** Unimax 2010, Promax 2020, Polymax 2040
- F** Reax 2
- G** Reax 20/4 · 20/8 · 20/12
- H** Multi Reax

Clamps for the perforated platform 100, 1000 and 2000

	Size 1 For 25-ml Erlenmeyer flasks	Size 2 For 50-ml Erlenmeyer flasks	Size 3 For 100-ml Erlenmeyer flasks	Size 4 For 250-ml Erlenmeyer flasks	Size 5 For 500-ml Erlenmeyer flasks	Size 6 For 1000-ml Erlenmeyer flasks	Size 7 For 2000-ml Erlenmeyer flasks
P/N	549-51000-00	549-52000-00	549-53000-00	549-54000-00	549-55000-00	549-56000-00	549-63000-00
For platform 100	max. 16	max. 16	max. 8	max. 5	max. 3	max. 2	–
For platform 1000	max. 20	max. 20	max. 14	max. 8	max. 4	max. 4	max. 2
For platform 2000	max. 36	max. 36	max. 23	max. 12	max. 9	max. 5	max. 3

» Technical Specifications - Shakers and Mixers



Model	Reax top	Reax control	Multi Reax	Titramax 100	Titramax 101	Titramax 1000	Vibramax 100	Vibramax 110	Rotamax 120
Motion	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	orbital
Rotation speed (rpm)	0 – 2,500	0 – 2,500	150 – 2,000	150 – 1,350	150 – 1,350	150 – 1,350	150 – 1,350	150 – 2,500	20 – 300
Rotation speed setting	analog	electronic contr.	digital	electronic contr.	electronic contr.	electronic contr.	electronic contr.	electronic contr.	electronic contr.
Orbit (mm)	5	5	3	1.5	3	1.5	3	1.5	20
Angle (°)	–	–	–	–	–	–	–	–	–
Operating mode	automatic or continuous	automatic or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous
Input power (W)	51	51	50	31	31	31	31	46	33
Weight (kg)	2.8	2.8	9.8	5.5	5.5	6.5	5.5	5.0	5.5
Dimensions (w x h x d) (mm)	134 x 105 x 172	34 x 105 x 172	270 x 172 x 410	245 x 125 x 310	245 x 125 x 310	320 x 125 x 375	245 x 125 x 310	245 x 146 x 310	245 x 125 x 310
Platform size (mm)	–	–	–	220 x 220	220 x 220	290 x 258	220 x 220	140 x 140	220 x 220
Accessories included	–	–	2 carousel attachments	space for 4 microtiter plates	space for 4 microtiter plates	space for 6 microtiter plates	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat
Load capacity (kg)	–	–	1.5	2	2	5	2	2	2
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient temperature (°C)	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity
Protection class (DIN EN 60529)	IP 22	IP 22	IP 30	IP 30	IP 30	IP 30	IP 30	IP 30	IP 30

Model	Unimax 1010	Unimax 2010	Promax 1020	Promax 2020	Duomax 1030	Polymax 1040	Polymax 2040	Reax 2	Reax 20/4 Reax 20/8 Reax 20/12
Motion	orbital	orbital	reciprocating	reciprocating	rocking	wave	wave	overhead	overhead
Rotation speed (rpm)	30 – 500	20 – 400	30 – 250	20 – 400	2 – 50	2 – 50	2.5 – 50	20 – 100	1 – 16
Rotation speed setting	digital	digital	digital	digital	electronic contr.	electronic contr.	digital	analog	electronic contr.
Orbit / Stroke (mm)	10	20	32	20	–	–	–	–	–
Angle (°)	–	–	–	–	5/10	5/10	5/10	–	–
Operating mode	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	–	–
Input power (W)	50	115	50	115	115	115	115	27	280
Weight (kg)	8.0	16	8.0	16	8.0	8.0	16	5.2	23, 28, 33
Dimensions (w x h x d) (mm)	320 x 125 x 375	426 x 135 x 435	320 x 125 x 375	426 x 135 x 435	320 x 185 x 375	320 x 195 x 375	426 x 208 x 435	510 x 180 x 235	490 x 465 x 520
Platform size (mm)	290 x 258	390 x 340	290 x 258	390 x 340	290 x 258	290 x 258	390 x 340	–	770 x 465 x 520
Accessories included	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	universal adaptor	1050 x 465 x 520
Load capacity (kg)	5	10	5	10	5	5	10	1	30
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient temperature (°C)	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity
Protection class (DIN EN 60529)	IP 40	IP 20	IP 40	IP 20	IP 40	IP 40	IP 20	IP 21	IP 21

Standard supply voltage: 230 V - other voltages upon request, please specify for order

Certificate

To confirm the ability for
continuous operation
of the Test Tube and Platform Shakers

The Test Tube and Platform Shakers feature overtemperature safety circuits according to DIN EN 61010-1:2001 and DIN EN 61010-2-010:2003 and therefore are designed for continuous operation.

This statement is made under the precondition that all units are operated in accordance with the operation manual and in accordance with good practice standards for safety in laboratories, rules for accident preventions, and compliance with directions on hazardous materials.

Schwabach, January 2013

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