

Orbital Shaker

Microplate Shaker TiMix 2/5

Description

The shakers are characterised by a high speed and small shaking amplitude (stroke). This ensures optimal mixing even in the smallest sample vessels. TiMix was specially designed for small sample volumes in microtitre plates, deepwell plates or other plates in microtitre plate format.

With alternative attachments (see p. 3), the TiMix models can be used for all applications that require high speed.

Models

- TiMix 2 for 4 microtiterplates
- TiMix 5 for 8 – 16 (with additional tray) microtiterplates
- TiMix 5 control for up to 48 microtiterplates (on request)

Scope of delivery basic equipment

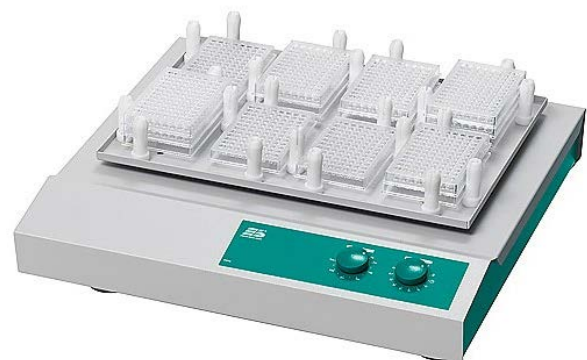
- **TiMix2**
Basic unit including platform for 4 microtiter plates
- **TiMix 5**
Without oscillating plate, without attachment further accessories see page 3.
- **TiMix 5 control:**
Basic device without shaking plate, without rack system
With touch display and programmable control

Applications

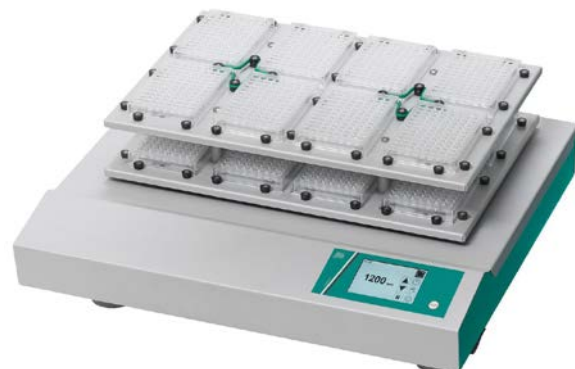
- Medical Diagnostics
- Hematology
- Microbiology
- Thermo regulation of probes by using Incubation hood TH 15 over TiMix2 or TiMix 5 (see page 3).



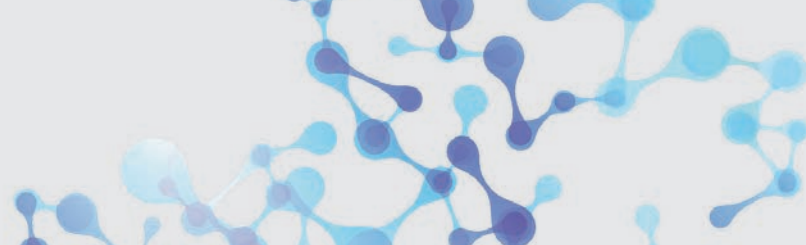
TiMix 2 with 4 microplates



TiMix 5 with 8 microplates





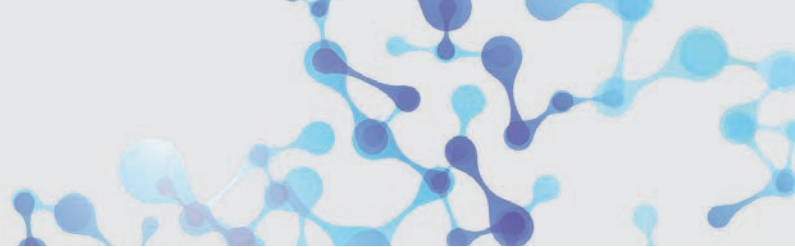
TiMix 5 control with 16 microplates



Microplate Shaker TiMix 2/5

Technical Data

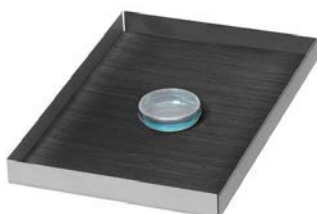
Model	TiMix 2	TiMix 5
Order No.	105.0900	105.0905
Figure		
Motion	exact orbital motion	exact orbital motion
Shaking speed	100 - 1400 rpm, steplessly	100 - 1400 rpm, steplessly
Dimensions shaking platform	200 x 295 mm	400 x 300 mm
Capacity	4 Microplates	8 Microplates
Max. load	2 kg	5 kg
Orbit	3 mm	3 mm
Timer	0 – 120 min or continuous	0 – 120 min or continuous
Electrical supply	230 V, 50/60 Hz	230 V, 50/60 Hz
Heat emission	approx. 6 W	approx. 9 W
Total Dimensions (W x D x H)	220 x 410 x 110 mm	510 x 490 x 150 mm
Weight	8,5 kg	19 kg
Rel. humidity	~ 85%	~ 85%
Enclosure protection	IP 21	IP 21
Ambient temperature	5°C up to 50°C	5°C up to 50°C



Accessories and Attachments

Microplate Shaker TiMix 2/5

Accessories TiMix2



Shaking Platform KM
Flat swing top with raised rim (20 mm) and rubber fine groove mat. For fixing various laboratory vessels (combined with clamping strip KM). Platform size: 200 x 295 mm.



Clamping Strip KM
Holder with sponge rubber cover for fastening upright vessels.

Suitable Incubator Hoods



Incubator Hood TH 15 for TiMix 2 or TiMix 5
Constant temperatures; also for high vessels (e.g. 1000 ml Erlenmeyer flasks). Can be combined with all compact shakers or used as independent unit.

Accessories TiMix5



Racksystem Combifix KS
Top frame with 3 clamping strips and rubber fine-grid mat. Can also be used for other vessels with additional slats. Size of shaking platform: 400 x 275 mm.



Universal Tray KS
Coated tray with drillings for individual fastening of spring clamps, test tube racks or holders. Size shaking platform: 430 x 300 mm.



Standard Rack System for TiMix5
For 8 standard microplates, microwell or deepwell plates, or other plates of the same size.



Additional Tray
As a second storey on the standard rack system TiMix5. Distance between the 2 trays max. 55 mm.



Rack System with Clamping Pins
For 8 standard microplates (128 x 85 mm). Suitable for use in analytical robot systems.



Rack System with High Clamping Pins
For max. 24 standard microplates, placed directly on top of each other. Suitable for use in analytical robot systems.



Rack System with Metal Clamping Pins
For max. 48 standard microplates, placed directly on top of each other. Suitable for use in analytical robot systems.