



epMotion 5075TMX

Jana Hermanska
Brno, únor 2014

epMotion 5075 TMX

The epMotion 5075 TMX includes an integrated Thermomixer®



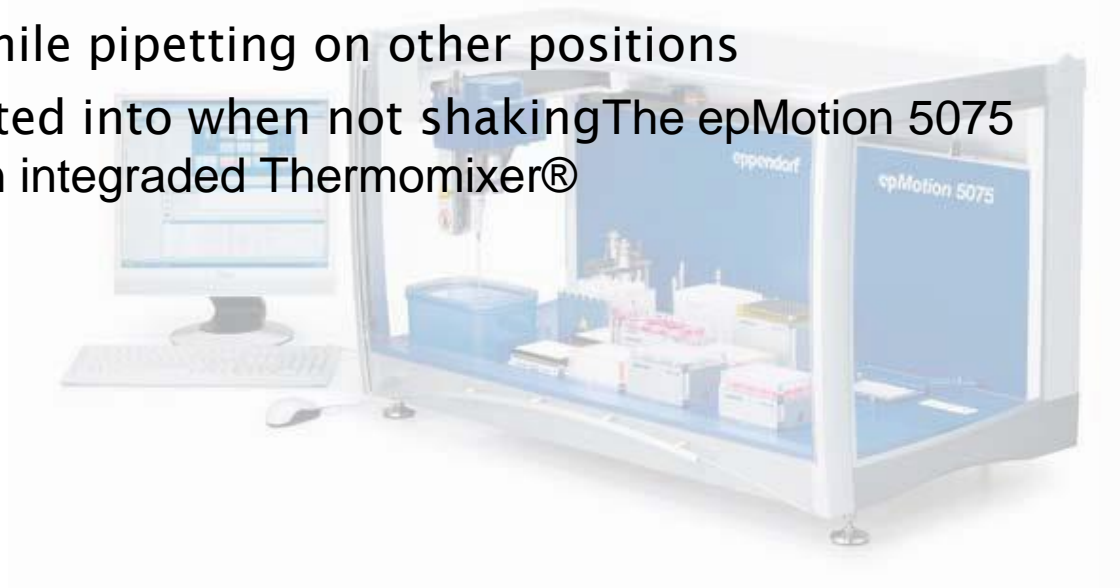
epMotion 5075 TMX

- Thermomixer heats and cools and
- shakes samples with temperature control
- Thermomixer integration is always on position A4



epMotion 5075 TMX

- Holds plates, plate adapter, tube adapter
 - Includes an automated closing mechanism
 - Stops at a defined position
 - Can be loaded and unloaded with the gripper
 - Can shake while pipetting on other positions
 - Can be pipetted into when not shaking
- The epMotion 5075 TMX includes an integrated Thermomixer®

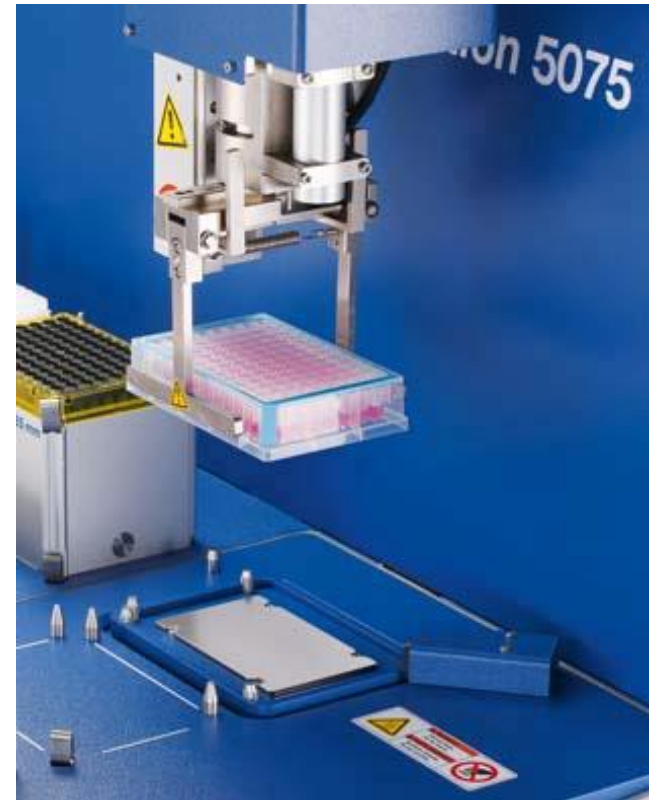


Features: Perfect Performance

High payload: 1,000 g
– perfect for deepwell plates
& thermoadapter

High speed: 2000rpm
– perfect for 384er plates

High heat: Up to 95°C
– perfect for cell lysis and
DNA work



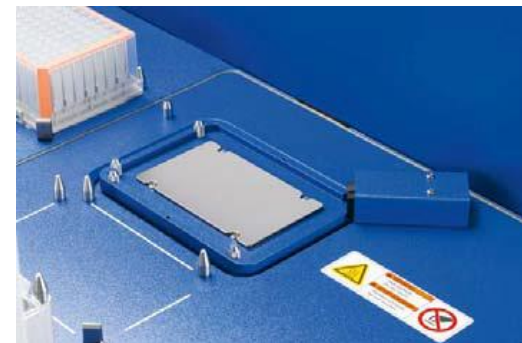
Features: Perfect Mix

2^D Mix-Control™

- Optimised speed, amplitude and rotation type
- Allows mixing of open tubes
- No spilling of droplets to the tube wall, no need for additional centrifugation

2^D Mix-Control™

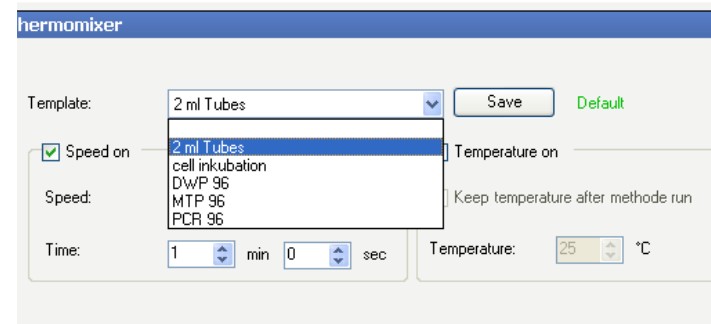
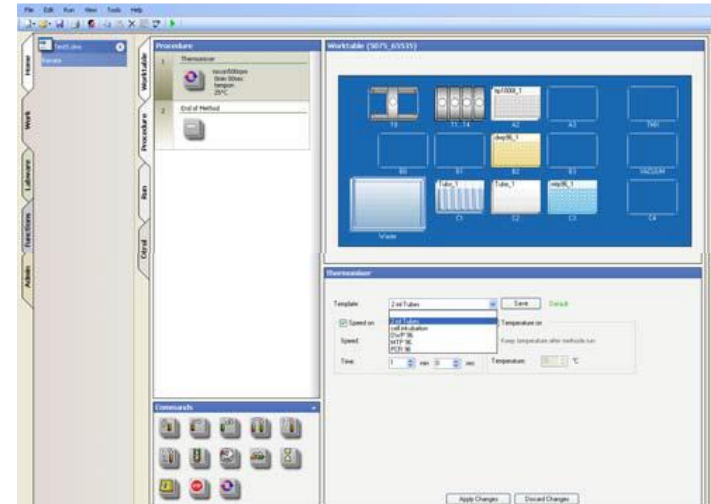
- Mixing principle analog to the MixMate



Features: Perfect Handling

Fully software integrated

- Labware presets enable a fast ,getting started‘ for the most common labware
- Individual ,presets‘ definable
- Pipetting on other positions during mixing



Thermomixer Specification

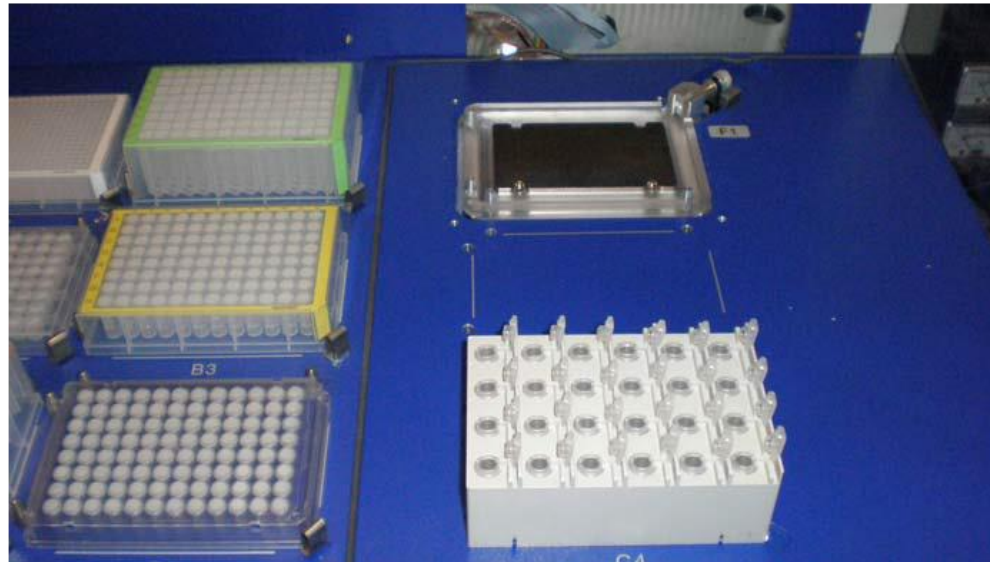
Mixing frequency: Off, 300–2000 rpm,

- **Mixing amplitude:** 3 mm
 - **Temperature range:** From -15°C below room temperature to 95°C (measured inside the labware at 75 % filling height)
 - **Temperature homogeneity:** $\leq 10\%$ (measured on the heating block of the Thermomixer)
 - **Heating rate** $5^{\circ}\text{C}/\text{min}$
 - **Cooling rate** $3^{\circ}\text{C}/\text{min}$ (when above room temperature)
- (Homogeneity and heating/cooling rates measured directly on the heating block of the Thermomixer)



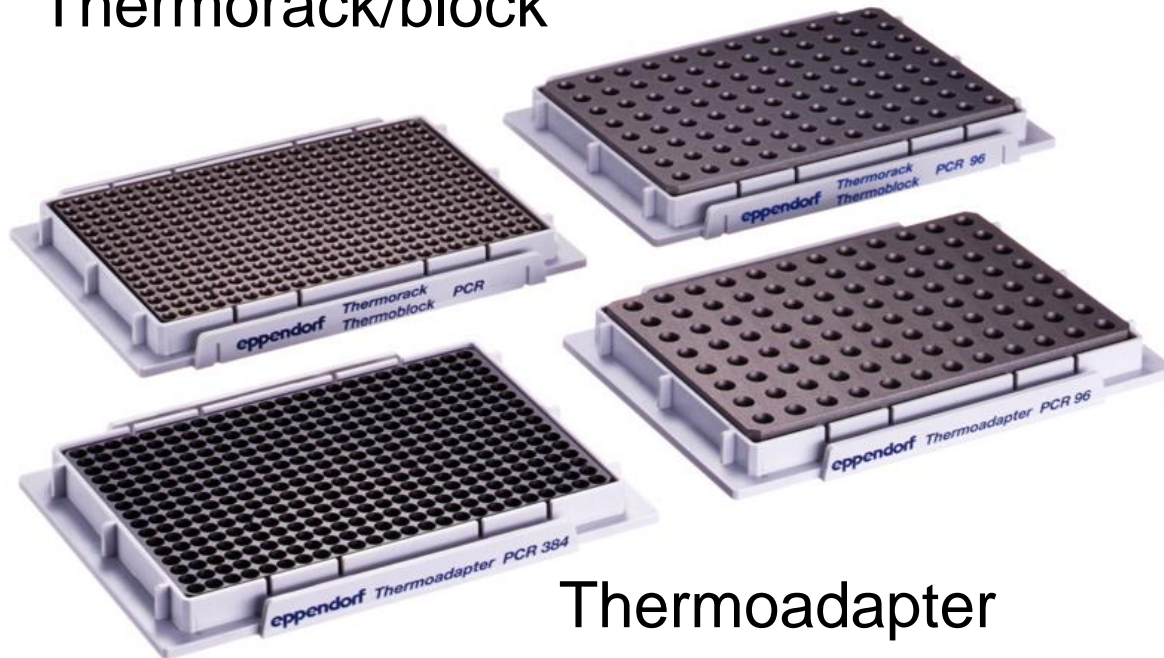
Thermomixer: Compatible labware

- Single tubes from 0.5 to 2.0 ml in thermoracks.
- Skirted 96 and 384 well PCR plates in thermoblocks or thermoadapter.
- Microplates and deepwell plates 6, 96 and 384 wells.
- Eppendorf deepwell plates 1.0 ml with thermoadpater DWP 96.



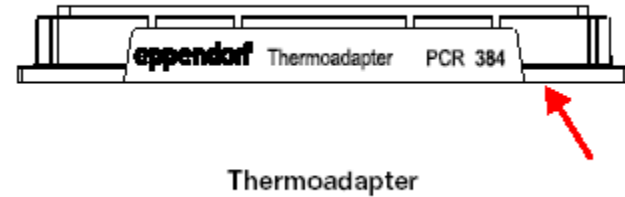
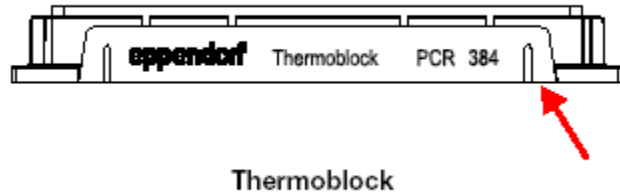
Thermomixer: Compatible labware

Thermorack/block



Thermoadapter

Thermomixer: Compatible labware



- Plates sit tightly in block for more precise tempering
- whole block can be transported

- Plates can be transported because of wider bores
- Adapter cannot be transported

Thermomixer: Compatible labware



Thermorack



- For 0.5 ml, 1.5 ml and 2ml SafeLock Tubes and other small Tubes
- Temperature control

Thermomixer: Compatible labware



Module Rack with
different Reservoir-Rack
Modules TC



Thermomixer: Compatible labware



RR Module TC Ø 17 mm

5075 799.162 / 960002650



RR Module TC Ø 16 mm

5075 799.120 / 960002640

RR Module TC Ø 29 mm

5075 799.189 / 960002660

RR Module TC Ø 12 mm

5075 799.103 / 960002630

Thermomixer: Compatible labware

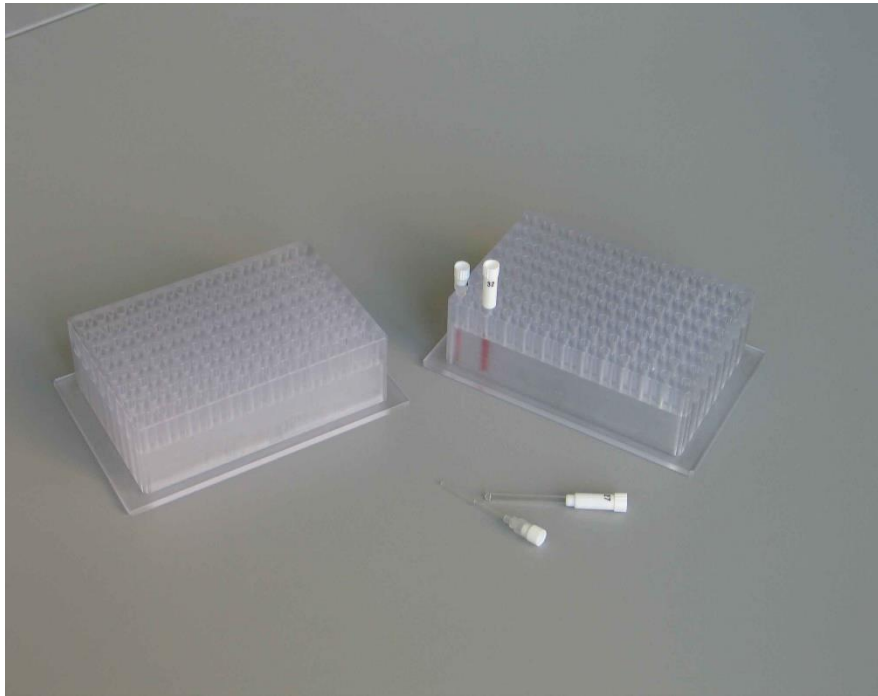


RR Module TC PCR 0.2 ml
5075 799.049 / 950002601

RR Module TC Safe Lock
5075 799.081 / 960002620

RR Module TC PCR 0.5 ml
5075 799.065 / 950002611

Thermomixer: Compatible labware

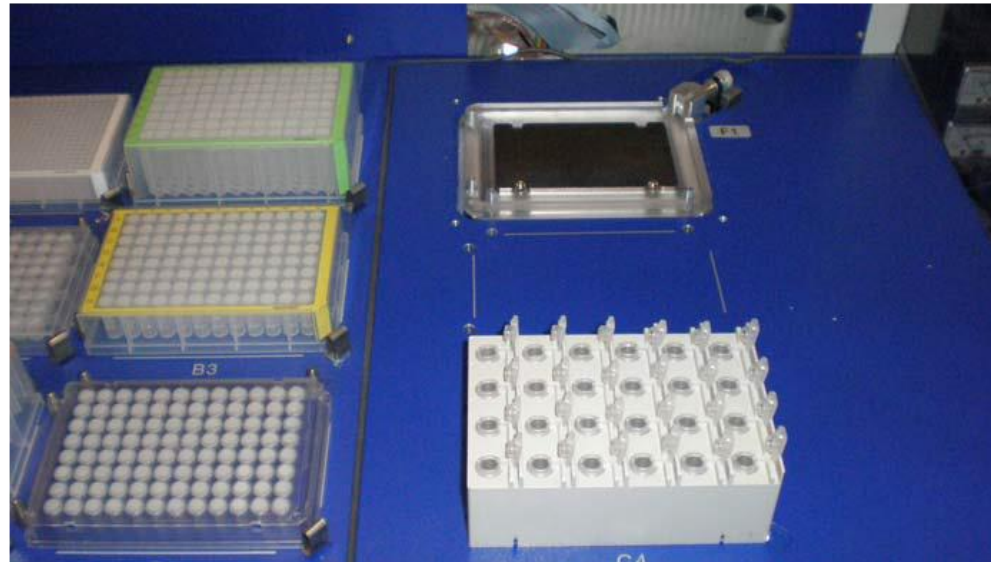


Rack LC for
Lightcycler[®] Capillaries

Rack LC 20/100 µl, Order no.5075 795.000 / 960002511

Thermomixer: Compatible labware

- Single tubes from 0.5 to 2.0 ml in thermoracks.
- Skirted 96 and 384 well PCR plates in thermoblocks or thermoadapter.
- Microplates and deepwell plates 6, 96 and 384 wells.
- Eppendorf deepwell plates 1.0 ml with thermoadpater DWP 96.





Thank you for your attention!

Brno, únor 2014