



PAL Centrifuges

Essential for sample preparation



Liquid liquid extraction
using flammable liquids



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Centrifugation is an essential step to speed up many sample preparation protocols. Phase separation e.g. after a liquid/liquid extraction can automatically be performed on a PAL system with the PAL Centrifuge, even with flammable liquids.

PAL Centrifuges can be used with up to 20 mL total volume of the following solvents: acetone, acetonitrile, ethyl acetate, methyl tert-butyl, ether, methanol, ethanol, isopropanol, n-pentane, n-hexane, or cyclohexane

This includes also all PAL centrifuges sold previously. In combination with the complete range of tools and modules the PAL Centrifuges enable seamless lab work flows, as highlighted in the example below:



PAL Centrifuges are fully software controlled by PAL Sample Control. The centrifuges can be efficiently integrated in many workflows. Tedious and error prone off line steps are eliminated. Time critical centrifugation steps can be precisely controlled. This improves the process safety greatly.

Highlights:

- Centrifugation of up to 20 mL total volume of flammable liquids.
- Full software control with PAL Sample Control.
- Control through many Chromatographic Data Systems.
- **Centrifuge Combi** for 4 x 2 mL or 2 x 10 mL or 2 x 20 mL vials. RCF up to 2000 x g at 4800 rpm.
- **Centrifuge 2 mL** for up to 8 x 2 mL vials. RCF up to 5000 x g at 7200 rpm.
- **Centrifuge 10 mL** for up to 6 x 10mL vials. RCF up to 2600 x g at 5200 rpm. Inserts available for 2 mL and 4 mL vials.

Technical data:

Dimensions: 310 mm / 220 mm / 185 mm (l/w/h)

Vial formats:

Centrifuge Combi: 2 mL, 10 mL and 20 mL

Centrifuge 2 mL: 2 mL

Centrifuge 10 mL: 10 mL (optional 2 mL and 4 mL)

Relative centrifugal force:

Centrifuge Combi: 2000 x g

Centrifuge 2 mL: 5000 x g

Centrifuge 10 mL: 2600 x g

PAL3 Firmware: 2.5.57 / 3.1.18 or higher

