PAL3 - µSPE Option

Miniaturize and automate solid phase extraction.

The µSPE option from CTC Analytics automates sample cleaning with small cartridges. Less sorbent allows for smaller sample and solvent volumes. The PAL syringe takes over the liquid conveyance.



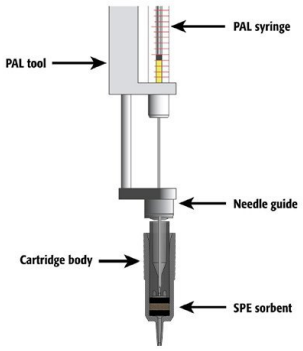
µSPE tool at PAL · CTC Analytics

PRINCIPLE AND FEATURES

The syringe passes the sample or solvent through the sorbent. This solid material retains selected components and enables targeted purification.

The cartridge is pressure-resistant up to 10 bar. Their sealing prevents escape at the syringe needle. The needle guide supports the upright transport.

The outlet can penetrate pre-slit septa or dispense directly into an LC injection valve. Multiple elutions are possible.



Cartridge and Tool · CTC Analytics

APPLICATION AND SELECTION

For the purification of food, water and drug samples as well as forensic and pharmacological tasks. Sorbs, cartridges and effluents are chosen to match the sample, target substances and analysis.

Sources: CTC Analytics: Micro-SPE - A Green Solution and PAL Micro-SPE Cartridges, retrieved 08.10.2026. Independent, abbreviated German CHROMTECH version; original illustrations unchanged.

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