Automation That Has Your Back clinPAL for ICP-MS





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Innovative power for ICP-MS

With clinPAL*, Analytik Jena introduces the first fully automated sample handling and preparation solution for measuring clinical samples with ICP-MS. It is designed to perform the typical laboratory workflow for testing human samples such as plasma, serum, urine and whole

Sit back, let clinPAL do the work, and enjoy automation that has your back.

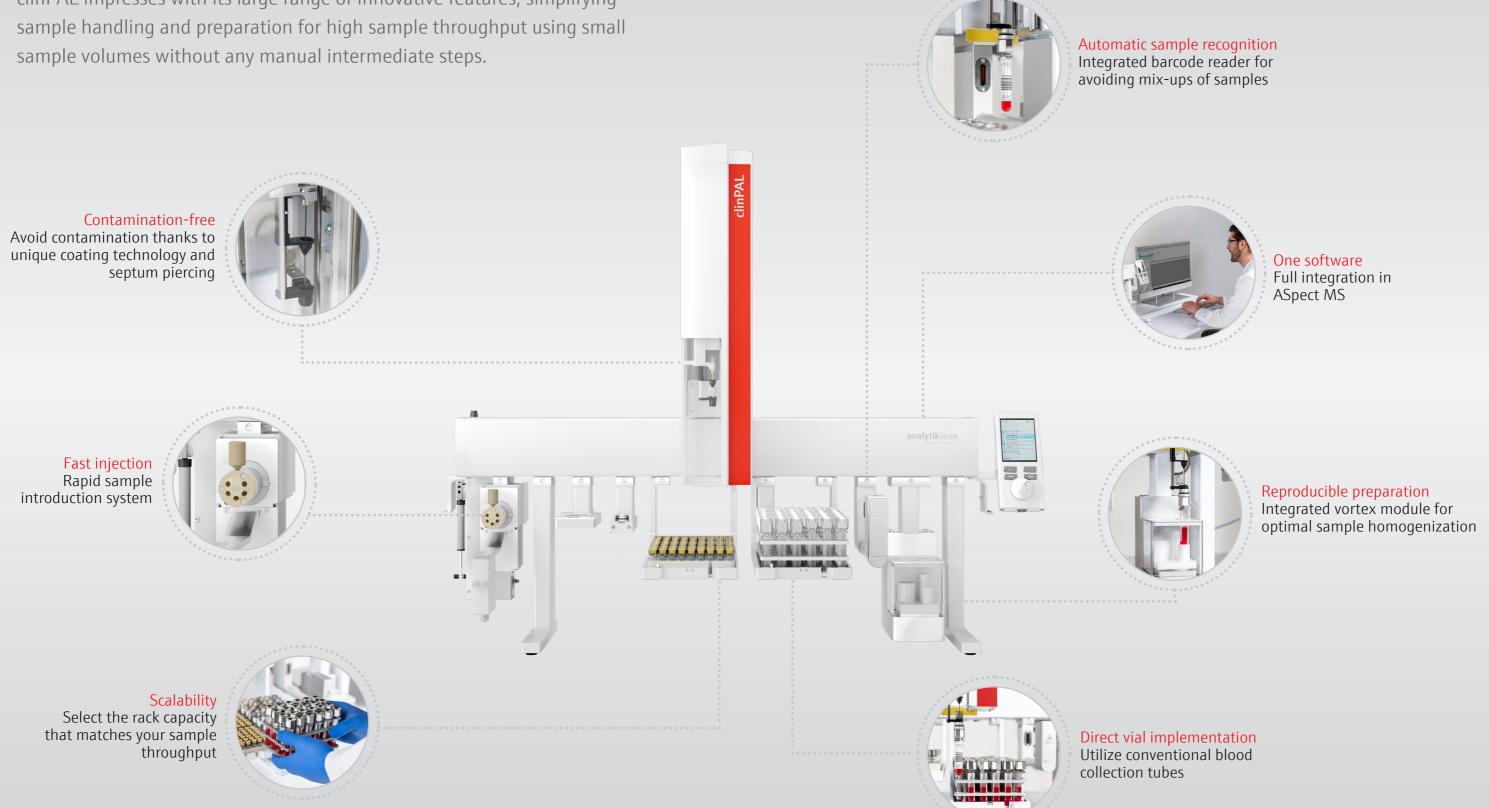
Automation That Has Your Back

Experience the unique solution for sample handling and preparation of clinical samples and benefit from the efficient and reliable workflow automation.



Specialized Yet Convenient

clinPAL impresses with its large range of innovative features, simplifying



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Ideal PAL for PlasmaQuant MS

Time is money, and both are scarce commodities in today's lab work: clinPAL allows you to invest your resources economically while he takes care of preparing the samples and initiating the measurement using PlasmaQuant MS. This is what a friend in the lab is for.

Two devices, one strong partnership

Although ICP-MS is one of the most powerful techniques in elemental analysis, these highly sensitive instruments are, in most cases, equipped with rather simple solutions for sample handling. Therefore, it is time to upgrade the PlasmaQuant MS series with an equivalent partner by its side - a real PAL - ensuring the optimal basis for ICP-MS analyses.

- Parallelized workflow waiting times reduced to a minimum
- Full integration in ASpect MS one software solution
- Automatic sample recognition sample mixups are a thing of the past
- Ease of use selection of pre-defined optimized workflows



Redefining Analysis of Clinical Samples

Designed as a comfortable support for determining trace elements in clinical samples, clinPAL enables automated sample handling and preparation that is perfectly suited for the analysis with PlasmaQuant MS.

An innovative solution for clinical labs

The automation of two complementary approaches for sample preparation is supported by clinPAL:

- A universal dilution method suitable for whole blood, plasma, serum and urine
- A method using IVDR-ready kits for serum and plasma

Automation of sample preparation, handling, and introduction minimizes personnel working hours and manual work, increasing profitability, reproducibility, and accuracy.



Table 1: Applications supported by clinPAL

	Multielement analysis of body fluids using alkali dilution	Multielement analysis of plasma and serum using IVDR-ready kits from RECIPE
Manual sample preparation	None	None
Applicable matrices	PlasmaSerumWhole bloodUrine	PlasmaSerum
Dilution method	Alkali dilution	ClinMass® diluting solution

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