

# Time for change

from Norbert Tiesler, CEO, Fornax Technologies

## WORKSTATION

Fornax Technologies has developed a SPE-workstation based on a Positive Pressure Extractor (PPE) integrated in a Tecan liquid handler for e.g. MS sample preparation.

The advantages of 96 well pressure extraction compared to vacuum manifolds or centrifugation are combined with a liquid handler to realize a full automated, reliable and cost-effective SPE-process.

## APPLICATION

Allows simple automation of sample isolation or extraction, concentration and buffer exchange processes with kits and labware of various suppliers e.g. Phenomenex, Waters, MachereyNagel, Qiagen, Tecan, Gehealthcare.

## SIMPLE

Direct integration of PPE on deck of a Tecan liquid handler controlled by GUI (Graphical user interface) portraying the whole SPE-process.

Variable, self-adjusting, stack height up to 3.5 cm.

Advantages over vacuum manifold:

- PPE supports 6-384 well microtiter plates and allows flow pressure regulation according to the application needs
- Other column formats on request
- No issues due to leaks of vacuum sealing
- No masking of unused wells

Advantages over centrifugation:

- No unreliable loading/unloading of centrifuge
- Faster processing

## RELIABLE

- Increases reproducibility of analyte recoveries and uniform extraction by maintaining constant pressure on each well, even if wells are empty.
- Variable pressure control assures high flexibility for different separation steps.
- Assures gentle processing by constant low-pressure down to 0.1 bar allowing the use of microtiter plates with large filter area.

## COST EFFECTIVE

Fornax Technologies utilize refurbished liquid handlers to be very cost-effective.

Additionally, complete maintenance and service are offered based on certified processes.

## CONTACT

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SPE-Workstation for solid phase extraction