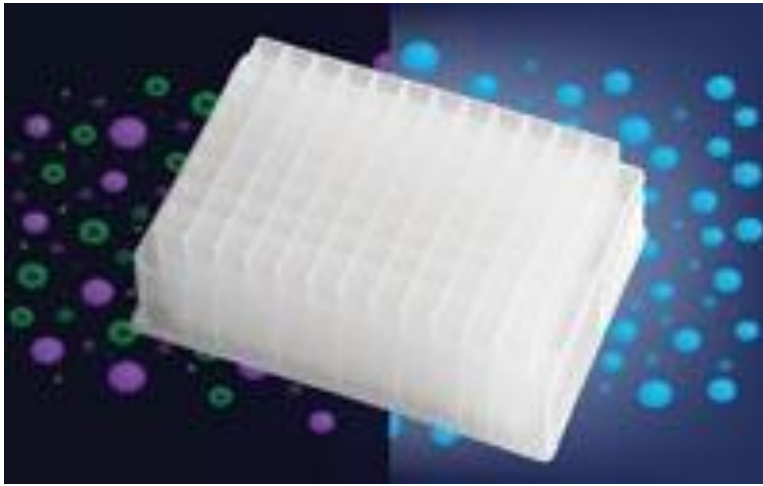


May 2019

Highly Effective Protein Clean-Up Microplate

The Protein Crash technique used by the Porvair Sciences P3 microplate is highly effective at removing proteins from biological samples prior to analysis.

The P3 microplate

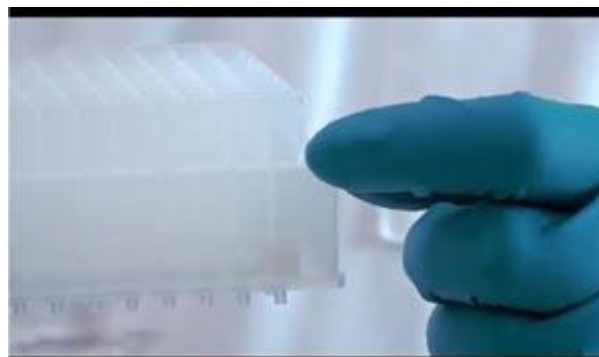


works by denaturing the protein upon addition of solvents such as acetonitrile or methanol.

The proteins “crash” or precipitate out of solution to forms large sticky globules that are then trapped on an open-pore structure filter. Underneath this filter is a highly hydrophobic filter which retains all liquids above it. When a vacuum is applied to the P3 microplate, the liquid containing the analytes of interest is efficiently drawn through the filter and into a collection plate below leaving behind unwanted proteins that can interfere with downstream applications.

The novel dual filter technology

in the P3 microplate not only retains unwanted proteins and has good flow rates, it ensure no leakage occurs prior to collection by vacuum. Designed and precision



manufactured to conform with ANSI /SLAS guidelines - the automation-friendly P3 microplate enables 96 samples to be filtered simultaneously – accelerating your biological sample clean-up prior to analysis.



The P3 microplate

is manufactured from specially selected polypropylene to ensure very low extractables. The dual filters in the P3 plate are produced from an inert material to ensure no adsorption of components from your biological samples thereby eliminating the chance of cross contamination or loss of sample integrity.

To download a copy

of the report 'Biological Sample Preparation using Solid Phase Extraction and Protein Crash techniques in 96 well plates' please visit <https://bit.ly/2GoOnxK> or contact Porvair Sciences now on +44-1978-666222 / +1-800-552-3696 / int.sales@porvairsciences.com.

Porvair Sciences

Established in 1992, Porvair Sciences is one of the largest global manufacturers of ultra-clean microplates and top-quality microplate equipment for life science, synthetic chemistry and many other applications. Porvair Sciences Ltd. is a wholly owned subsidiary of Porvair plc.

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