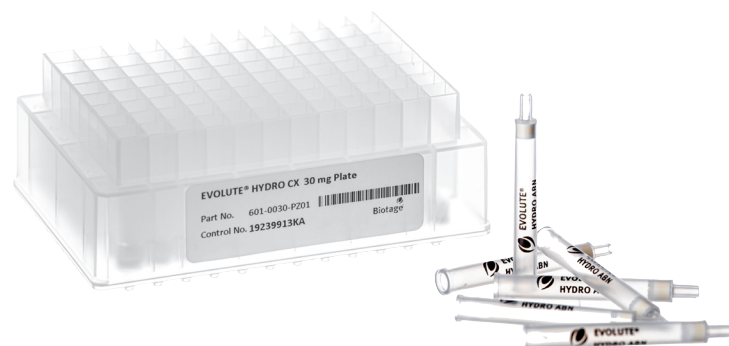


For Research Use Only. NOT for Use in Diagnostic Procedures.

EVOLUTE® HYDRO

Solid Phase Extraction Plates and Columns with In-Well Hydrolysis Capability

EVOLUTE® HYDRO solid phase extraction plates and columns combine robust, high quality EVOLUTE SPE sorbents with Hydro frit technology, enabling effective in-situ in-well hydrolysis of urine samples. Sample clean-up is performed in the same plate or column, without the need to transfer samples, saving time and reducing risky sample handling steps.



Streamlined Sample Processing

The plates and columns contain the Hydro frit technology system, which reliably holds up sample and hydrolysis enzyme during incubation, even at elevated temperatures, and reduces clogging during subsequent clean up steps.

By combining Hydro frit technology with water wettable EVOLUTE sorbents, EVOLUTE HYDRO SPE plates and columns allow the hydrolyzed sample to be loaded directly onto the SPE bed for clean-up. Conditioning and equilibration steps are eliminated, again saving time and reducing costs.

Eliminating the need for off-line hydrolysis leads to significant time saving and reduction of sample handling, reducing potential errors and sample losses.

10 mg formats also allow analyte elution in very low volumes, allowing for no-blow down procedures.

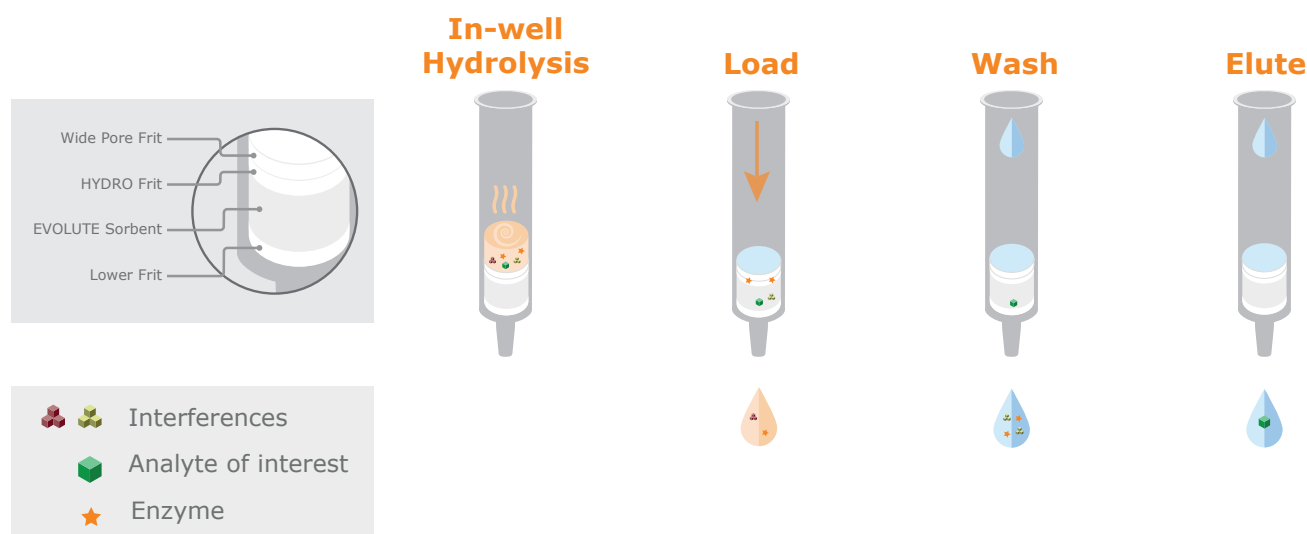


Figure 1. EVOLUTE® HYDRO procedure: in-well hydrolysis and sample clean-up.

Reduced Processing Time

Compared to traditional SPE procedures, EVOLUTE® HYDRO can reduce sample processing time by 20 minutes for 96 samples.

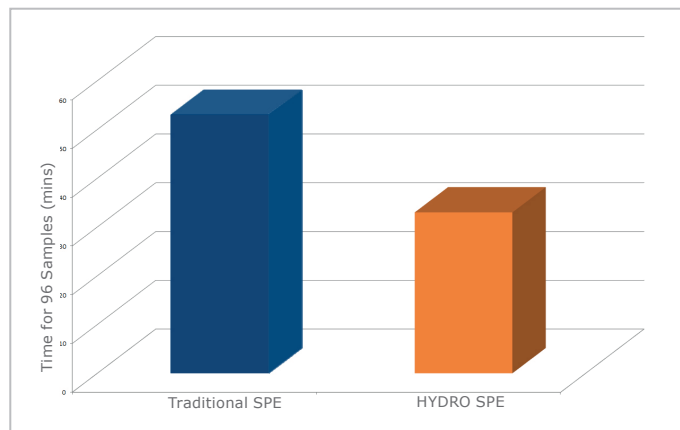


Figure 2. Automated extraction on Biotage® Extrahera™ using traditional SPE takes 53 minutes for 96 samples. With EVOLUTE® HYDRO this time is reduced to 33 minutes.

[30 mg 96-well plate format, using equivalent extraction methodology. Full procedure including hydrolysis, eluent evaporation and reconstitution: 143 mins (traditional SPE) 123 mins (HYDRO SPE)].

No Compromise on Hydrolysis Efficiency

Because the HYDRO frit technology holds all of the sample above the sorbent bed during the hydrolysis process, hydrolysis efficiency when using EVOLUTE HYDRO SPE plates and columns is equivalent to off-line hydrolysis under the same conditions. Existing enzymatic hydrolysis procedures can easily be transferred to EVOLUTE HYDRO SPE products.

Excellent Sample Clean-up

Whether extracting large multidrug panels or performing more targeted applications, EVOLUTE HYDRO SPE products remove matrix components and residual hydrolysis enzyme, leading to cleaner extracts and reduced matrix effects in LC-MS/MS.

Ordering Information

Part Number	Description	Quantity
EVOLUTE® HYDRO Plates		
600-0010-PZ01	EVOLUTE® HYDRO ABN 10 mg Plate	1
600-0030-PZ01	EVOLUTE® HYDRO ABN 30 mg Plate	1
601-0010-PZ01	EVOLUTE® HYDRO CX 10 mg Plate	1
601-0030-PZ01	EVOLUTE® HYDRO CX 30 mg Plate	1
EVOLUTE® HYDRO Columns		
600-0001-AZG	EVOLUTE® HYDRO ABN 10 mg/1 mL (Tabless)	100
600-0003-AZG	EVOLUTE® HYDRO ABN 30 mg/1 mL (Tabless)	100
601-0001-AZG	EVOLUTE® HYDRO CX 10 mg/1 mL (Tabless)	100
601-0003-AZG	EVOLUTE® HYDRO CX 30 mg/1 mL (Tabless)	100

Note: Equivalent 'tabbed' columns are also available. Visit www.biotage.com for details.



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Part Number: PPS456.V.3

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