

# InertSep 96WP HLB

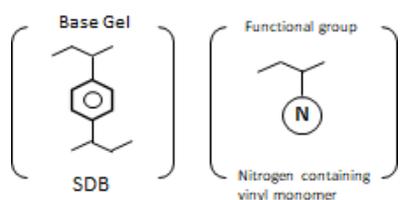
InertSep HLB is a solid phase extraction product that can effectively extract compounds with a wide range of physical properties, from nonpolar to highly polar. The 96-well plate lineup also enables multi-specimen analysis.



## Key Points:

- A 96-well plate option is available for rapid processing of multiple samples .
- InertSep HLB exhibits the same retention behavior as other HLB solid-phase columns on the market
- Complies with SBS standards

## Well specifications: Structure of the gel Physical property value



N-containing vinyl polymer and styrene divinylbenzene.

Average particle diameter ( $\mu\text{m}$ ) 30

Surface area ( $\text{m}^2/\text{g}$ ) 720

Pore volume ( $\text{mL}/\text{g}$ ) 1.5

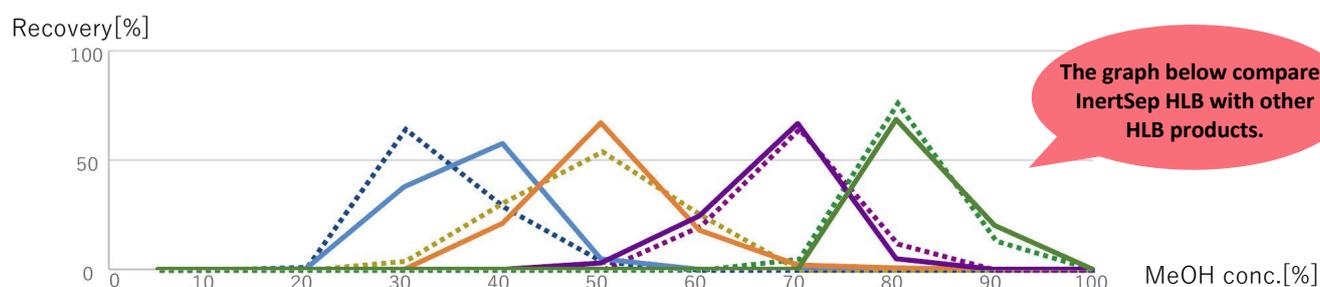
Fine pore size (nm) 7

pH range of use 1-14

## Comparison of retention against highly polar compounds

The retention strength against highly polar compounds is very important for the analysis of pharmaceuticals and pharmaceutical metabolites. InertSep HLB functions the same as other HLB solid phases, even for highly polar compounds that are difficult to retain, the InertSep HLB showed excellent retention. The same results were obtained for the retention behavior for acidic and basic compounds.

InertSep HLB — Acetaminophen — Caffeine — Florfenicol — Carbamazepine  
 Other Brand HLB Solid Phase - - - Acetaminophen - - - Caffeine - - - Florfenicol - - - Carbamazepine



Name	Column size	Number	Cat.No.
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InertSep 96WP HLB	10 mg	1pc	5010-66440
	30 mg	1pc	5010-66441

# Accessories for 96-well plates



## Key Points:

Plate dimensions comply with SBS standards and can be used for automatic operation

V-bottom well shape reduces sample loss

Made of polypropylene, it has excellent cold, solvent resistance, and heat resistance (up to 100 C)

An (LB) type that can suppress non-specific adsorption of proteins and peptides by super hydrophilic surface treatment is also available

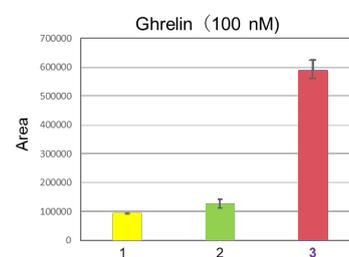
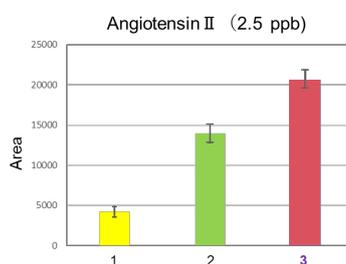
Name	Material	Well capacity	Quantity	Catalog #
MS Plate	Polypropylene	2.00 mL	50	6045-00201
MS Plate (LB type)	Polypropylene (Hydrophilic Polymers)	2.00 mL	15	6045-00203

## Adsorption to peptides

Comparisons using two peptides as samples resulted in (LB type) MS plates having less adsorption than company A and B products.

### Evaluation process

1. Angiotensin II, Ghrelin is dissolved in 0.1% formic acid/water.
2. 300  $\mu$ L is added to the well plate,
3. Attach the plate seal.
4. After refrigeration storage for 24 hours, the value was confirmed by HPLC.



1 : Company A 96-well plate  
 2 : Company B 96-well plate  
 3 : Low adsorption 96-well plate

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