

Now In-Well Hydrolysis Capabilities!
Perform the pre-treatment step
inside the 96-well plate!

β-Gone™
β-Glucuronidase Removal Products



Rapid Cleanup of Hydrolyzed Urine

- Increase HPLC/UHPLC Column Lifetime
- Reduce Mass Spec Maintenance
- Maintain the Selectivity of Your HPLC/UHPLC Column



phenomenex®
...breaking with traditionSM

Simple Steps



Ensure that Your Samples are Free of β -Glucuronidase

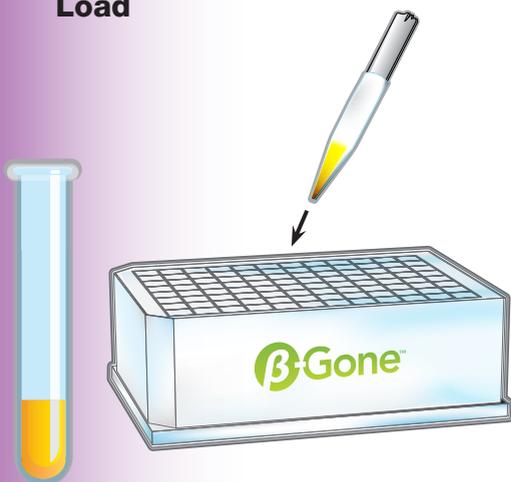
β -Gone β -Glucuronidase Removal Products are designed to target and remove β -glucuronidase from hydrolyzed urine samples without requiring additional time or method development. In a few simple steps and in less than 1 minute, your hydrolyzed samples are ready for analysis.

β -Gone Steps

1 mL and 96-Well Plate Protocol	2 mL Centrifuge Tube Protocol
1) Load hydrolyzed urine on β -Gone β -Glucuronidase Removal Tube or 96-Well Plate. Apply vacuum, positive pressure, or centrifuge.	1) Load diluted urine sample into the centrifuge tube.
2) Collect clean samples for HPLC/UHPLC analysis.	2) Cap and invert the tube 10 times. Vortex for 30 seconds.
	3) Centrifuge tubes at 14000 rpm for 10 min (16000 xg RCF) and collect supernatant for HPLC/UHPLC analysis.

β -Gone Plus Steps

Step 1
Load
Load urine and hydrolysis solution in β -Gone Plus 96-well plate, incubate



Step 2
Collect
Initiate vacuum and collect eluate

Skip The Transfer Step



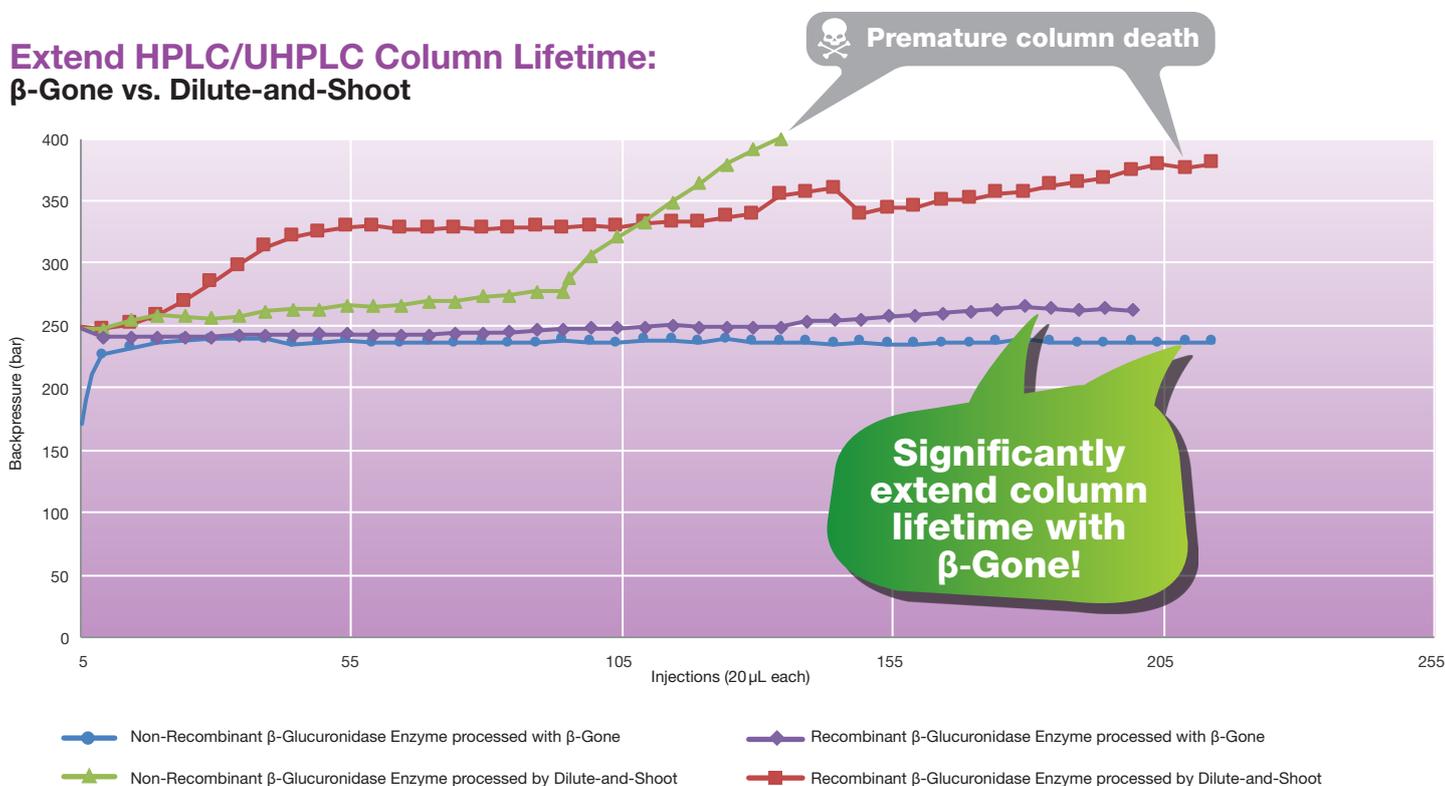
Clean samples in under 1 minute!

Improve Your Chromatography

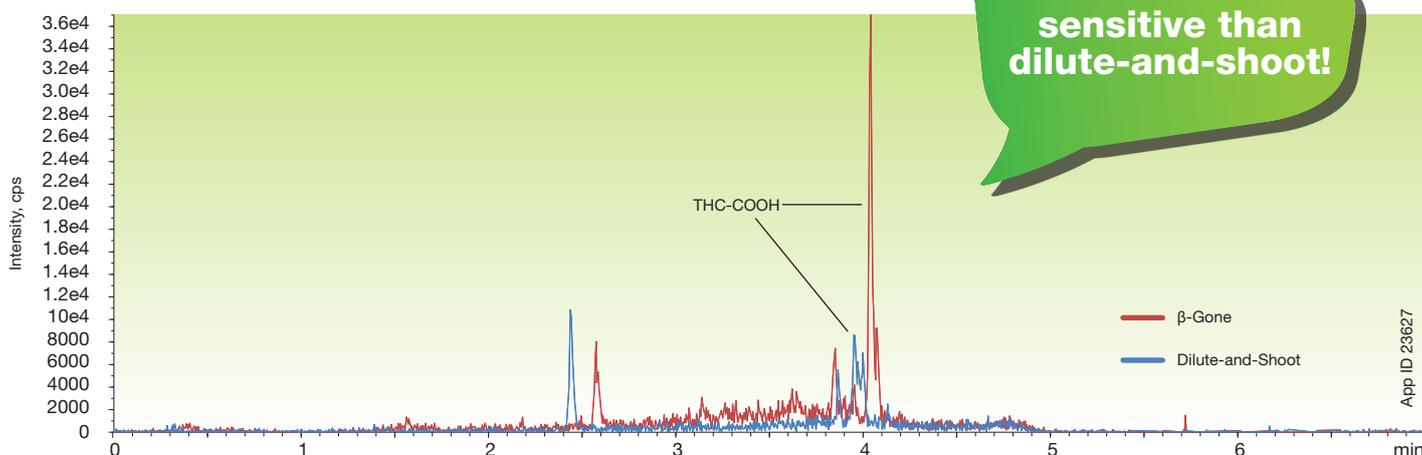


In less than 1 minute, you can reduce the amount of time and money you spend on column and system maintenance AND increase the sensitivity of your analysis!

Extend HPLC/UHPLC Column Lifetime: β-Gone vs. Dilute-and-Shoot



Increase Your Sensitivity: β-Gone vs. Dilute-and-Shoot



Column: Kinetex® 2.6 µm Biphenyl
Dimensions: 50 x 2.1 mm
Mobile Phase: A: 0.1% Formic acid in Water
 B: 0.1% Formic acid in Acetonitrile

Gradient: Time (min)	% B
0	5
3	95
4	95
4.1	5

Flow Rate: 500 µL/min
Temperature: Ambient
Detection: MS/MS (SCIEX API 4000™)

β-Gone Procedure: To 200 µL spiked urine (spiked at 100 ng/mL), add 133 µL 0.1% Formic acid in Methanol. Pass through β-Gone tube or 96-well plate and collect eluent.

Dilute-and-Shoot Procedure: Dilute spiked urine (spiked at 100 ng/mL) 10-fold with 0.1% Formic acid in Water.

(Tests performed using β-Gone 1mL or 96-Well Plates)

Don't Worry, Your Analytes Aren't Going Anywhere!



β-Gone β-Glucuronidase Removal Products specifically remove β-Glucuronidase and other interferences without reducing your analyte recoveries.

High Recoveries of Pain Management Drugs

Analyte	% Recovery	
	Non-Recombinant (natural) Enzyme	Recombinant Enzyme
6-MAM	89	109
7-Aminoclonazepam	87	76
alpha-Hydroxyalprazolam	96	93
Alprazolam	101	80
Amitriptyline	103	77
Amphetamine	99	92
Benzoylcegonine	99	110
Buprenorphine	104	91
Carisoprodol	95	75
Citalopram	106	95
Codeine	99	97
Cotinine	114	96
Diazepam	100	78
EDDP	106	84
Fentanyl	105	79
Fluoxetine	105	94
Gabapentin	97	88
Hydrocodone	104	93
Hydromorphone	99	95
Imipramine	107	90
Lorazepam	91	85
MDA	102	92
MDEA	106	89
MDMA	104	91
Meperidine	102	89
Meprobamate	93	73

Analyte	% Recovery	
	Non-Recombinant (natural) Enzyme	Recombinant Enzyme
Methadone	104	83
Methamphetamine	105	96
Methylphenidate	108	78
Morphine	100	84
Naloxone	93	109
Norbuprenorphine	110	89
Nordiazepam	85	85
Norfentanyl	109	79
Norhydrocodone	113	95
Noroxycodone	106	95
Nortriptyline	101	99
O-Desmethyltramadol	107	110
Oxazepam	90	84
Oxycodone	99	90
Oxymorphone	94	90
Paroxetine	102	90
PCP	102	65
Pregabalin	102	86
Ritalinic Acid	95	100
Tapentadol	106	85
Temazepam	93	97
THC-COOH	70	98
Tramadol	107	92
Zolpidem	106	81
Zolpidem-phenyl-4-carboxylic acid	96	88

(Recovery performed using β-Gone 1mL or 96-Well Plates)

Protect Your Investments with β -Gone™ β -Glucuronidase Removal Products

β -Gone β -Glucuronidase Removal Products

Part No.	Description	Unit	Price
8B-S139-TAK	1 mL Tubes, Recombinant Enzyme	100/Box	
8B-S322-DAK	1 mL Tubes, Non-Recombinant Enzyme	100/Box	
8E-S139-TGA	96-Well Plate, Recombinant Enzyme	1/Box	
8E-S322-DGA	96-Well Plate, Non-Recombinant Enzyme	1/Box	
8N-S323-TUK	2 mL Centrifuge Tubes, Recombinant and Non-Recombinant Enzyme	100/Box	
8E-S323-TGA	96-Well Plate Plus 30 mg/well, Recombinant/Non-Recombinant Enzyme	1/Box	
8E-S323-UGA	96-Well Plate Plus 60 mg/well, Recombinant/Non-Recombinant Enzyme	1/Box	



Your happiness is our mission. Take 45 days to try our products. If you are not happy, we'll make it right.
www.phenomenex.com/behappy

Increase Throughput with Affordable Bench Top Manifolds

Vacuum Manifolds

Part No.	Description	Unit	Price
12-Position Vacuum Manifold for Tubes*			
AH0-6023	12-Position Vacuum Manifold Set, complete assembly	ea	
24-Position Vacuum Manifold for Tubes*			
AH0-6024	24-Position Vacuum Manifold Set, complete assembly	ea	
96-Well Plate Manifold			
AH0-8950	96-Well Plate Manifold, Universal with vacuum gauge	ea	

*Manifolds include: Vacuum-tight glass chamber, vacuum gauge assembly, polypropylene lid with gasket, male and female luers and yellow end plugs, stopcock valves, collection rack assemblies, polypropylene needles, lid support legs. Waste container included with 12-position manifold.



Presston™ 1000 Positive Pressure Manifold

Part No.	Description	Unit
AH1-7033	Presston 1000 Positive Pressure Manifold, 96-Well Plate	ea
Collection Plates (deep well, polypropylene)		
AH0-7192	96-Well Collection Plate, 350 μ L/well	50/pk
AH0-7193	96-Well Collection Plate, 1 mL/well	50/pk
AH0-7279	96-Well Collection Plate, 1 mL/well Round, 7 mm	50/pk
AH0-7194	96-Well Collection Plate, 2 mL/well	50/pk
AH0-8635	96-Well Collection Plate, 2 mL Square/Round-Conical	50/pk
AH0-8636	96-Well Collection Plate, 2 mL Round/Round, 8 mm	50/pk
Sealing Mats		
AH0-8597	Sealing Mats, Pierceable, 96-Square Well, Silicone	50/pk
AH0-8598	Sealing Mats, Pre-Slit, 96-Square Well, Silicone	50/pk
AH0-8631	Sealing Mats, Pierceable, 96-Round Well 7 mm, Silicone	50/pk
AH0-8632	Sealing Mats, Pre-Slit, 96-Round Well 7 mm, Silicone	50/pk
AH0-8633	Sealing Mats, Pierceable, 96-Round Well 8 mm, Silicone	50/pk
AH0-8634	Sealing Mats, Pre-Slit, 96-Round Well 8 mm, Silicone	50/pk
AH0-7362	Sealing Tape Pad	10/pk



Phenomenex warrants the Presston 1000 will be free of defects in materials and workmanship under normal installation, use, and maintenance for a period of 12 months following delivery. Please visit www.phenomenex.com/Presstonwarranty for complete warranty information.

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- Maintain the Selectivity of Your HPLC/UHPLC Column

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