

ASPCTM

"THE PURE RECOMBINANT ARYLSULFATASE FOR STEROID SULFO-CONJUGATES"

ASPC[™] - specifically designed for selective deconjugation of sulfo-conjugates while leaving ß-glucuronide conjugates intact

Conjugation of xenobiotics represents an important biotransformation reaction in humans and animals. Hydrolysis of sulfo-conjugates is particularly relevant in steroid analysis. Finden® Kura has developed a highly purified recombinant arylsulfatase that enables specific hydrolysis of these types of analytes.

Finden's ASPC[™] specificity is of particular importance to scientists exploring metabolic elimination pathways, specifically steroid sulfo-conjugates.

CONTACT FINDEN KURA TO LEARN ABOUT THE PURE RECOMBINANT ARYLSULFATASE FOR STEROIDS AND OTHER DRUGS

EMAIL US AT: SALES@KURABIOTECH.COM (800) 332-1448

WE BELIEVE DRUG TESTING IS NEVER ROUTINE

ASPC[™] offers the following benefits to the scientist:

- Quantitative analysis of steroid sulfo-conjugates in their free steroid form, without interference from hydrolyzed B-glucuronides.
- No centrifugation required to clean up the sample preparation.
- Pure enzyme eliminates the need for enzyme pre-purification steps, and extends analytical column lifetimes.
- Gentle, non-aggressive protocol avoids analyte conversions and the generation of "steroid-like" interferences, typically produced by wild-type enzymes.

Enzyme Performance:

Analyte	Product	Recovery %	Time (min)
Estrone-Sulfate	ASPC™	>80	20
Estrone-Glucuronide	ASPC™	0	-
4-Methylumbelliferyl Sulfate	ASPC™	>80	5

ASPC Specifications

Product Form: Solution, 10% (v/v) glycerol Temperature Range: 50° C - 55° C pH Range: 6.8 - 7.5 Storage/Stability: 12 months at 2°C - 8°C Purity: \geq 90% Arylsulfatase



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