



ABALONASE™ and ABALONASE™+ PURIFIED BETA-GLUCURONIDASE FORMULA CLEAN, RAPID AND RELIABLE

Abalonase™

Purified Beta-glucuronidase formula that has been designed to quickly hydrolyze conjugated drug metabolites in human samples within minutes.

Part Number	Vol. (mL)	Activity (units)
ASBETA-GLUC-10	10	≥50,000 units/mL
ASBETA-GLUC-25	25	≥50,000 units/mL
ASBETA-GLUC-50	50	≥50,000 units/mL
ASBETA-GLUC-100	100	≥50,000 units/mL

Form: Clear Aqueous Solution / Sulfatase Activity: None /
Storage: +4°C to +8°C

Abalonase™ +

Designed for deconjugation of both glucuronidated and sulfated metabolites. The formula is enriched with 4 arylsulfatases making it ideal for the hydrolysis of steroid metabolites.

Part Number	Vol. (mL)	Activity (units)
ASFBETA-GLUC-10	10	≥50,000 units/mL
ASFBETA-GLUC-25	25	≥50,000 units/mL
ASFBETA-GLUC-50	50	≥50,000 units/mL
ASFBETA-GLUC-100	100	≥50,000 units/mL

Form: Clear Aqueous Solution / Sulfatase Activity: > 400 U/mL /
Storage: +4°C to +8°C



Shown from left to right: Abalonase™ purified Beta-glucuronidase formula, Selectrazyme® and Red Abalone Beta-Glucuronidase enzyme from an alternate supplier.

Rapid Hydrolysis Buffer included in every order.

Every Abalonase™ and Abalonase™+ purified Beta-glucuronidase formula comes with a Rapid Hydrolysis Buffer to be used at your convenience. Through its usage, both purified Beta-glucuronidase formulas will achieve their maximum performance and it will significantly reduce sample preparation times and use of alternate reagents in addition to minimizing buffer preparation errors.



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Technology developed by Ango

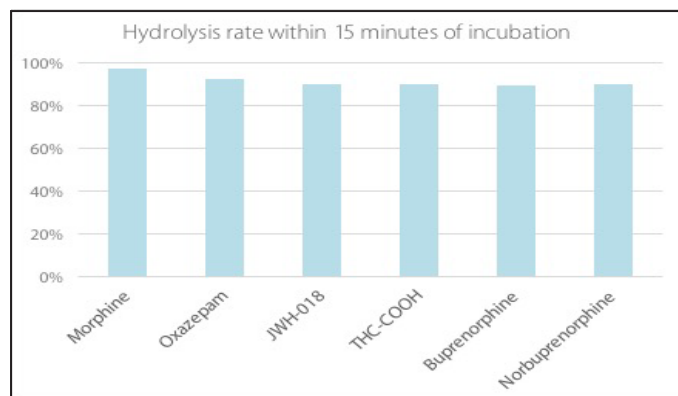
Hydrolysis Results

This purified beta-glucuronidase provides half the activity units with the same conversion rate as a traditional abalone-derived enzyme. Conversion of Morphine-6-Glucuronide and Codeine-6-Glucuronide, crucial metabolites that are typically difficult to hydrolyze, is achieved in a reasonable time frame without addition of exorbitant amounts of enzyme.

Morphine-6-Glucuronide and Codeine-6-Glucuronide Conversion Rates(%)

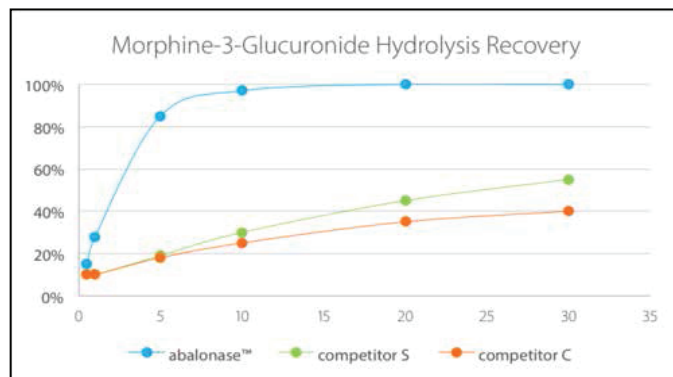
Enzyme Source	Units of Activity		Morphine-6-G		Codeine-6-G	
			Incubation Time		Incubation Time	
			60 min.	90 min.	60 min.	90 min.
Abalonase™	2,500	50 µL	35	41	15	23
	5,000	100 µL	63	81	61	82
Selectrazyme®	5,000	50 µL	27	50	24	36
	10,000	100 µL	44	81	40	65

*All tests run at 70°C, with the included Rapid Hydrolysis Buffer.



*All tests run at 65°C, with the included Rapid Hydrolysis Buffer.

Within minutes of application, Abalonase™ can deconjugate the major metabolites of interest including benzodiazepines, opioids, cannabinoids (naturally occurring and synthetic) and steroids.



Abalonase™ can be used for real time and room temperature hydrolysis for high-throughput drug screening applications.



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