

Hydrolysis Protocol

Abalonase™

Form: Clear liquid solution.

Storage temperature: +2 to +8 °C.



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Included Reagents

- 1) Liquid Abalonase™ / Abalonase™+ (>50,000 units/mL).
- 2) 10x Rapid Hydrolysis Buffer for Abalonase™ / Abalonase™+.

Working Enzyme Stock Solution Preparation (10,000 Fishman units/mL)

- 1) Add respective amount of D.I. H₂O to the 10x Rapid Hydrolysis Buffer.
- 2) Next, add the stock Abalonase™/ Abalonase™+ to the diluted Rapid Hydrolysis Buffer prepared in the previous step. Refer to table below for corresponding volumes.

Rapid Hydrolysis Buffer (mL)	D.I. H ₂ O (mL)	Abalonase™ / Abalonase™+ (mL)
4	36	10
10	90	25
20	180	50
40	360	100

*Prepare daily for best results; Buffer and enzyme can be added separately if desired.

Urine Sample Hydrolysis

- 1) To 1 mL of urine sample add 1 mL of Abalonase™/ Abalonase™+ working enzyme stock solution (10,000 Fishman units/mL).
- 2) Add internal standard(s).
- 3) Gently mix by inversion or vortex 10 to 15 seconds prior to use.
- 4) Hydrolyze for 15 minutes to overnight from room temperature to 70°C depending on hydrolysis needs and analytes in question.



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