



NSK-A

Amino Acid Reference Standards

This set contains 10 vials of a dry mixture of 12 isotopically labeled amino acids. Accurate and complete reconstitution of the contents of one vial in 1 mL of high purity solvent will produce the concentrations presented in the Standard Concentrations table. Mix well. This solution becomes the concentrated amino acid stock standard.

Dilution of Reference Standards Concentrated Working Stock

To prepare working stock solutions, one of the following procedures is suggested:

- Dilute 1 mL (reconstituted vial contents per instructions above) of the concentrated amino acid stock standard with pure solvent.
- If Set B (Acylcarnitine Reference Standards) was purchased, mix 1 mL (reconstituted vial contents) of concentrated standards from Set A with 1 mL of the concentrated standards from Set B.

Store the diluted standards in a tightly sealed vial at 4°C. In order to maintain the integrity of the solution, we recommend storing the sealed vials in a second sealed container. We recommend discarding this concentrated working stock solution after ~1 month. Stability data is being obtained.

Standards Concentrations

Reference Standard	Concentration (nmol/mL)
¹⁵ N; 2- ¹³ C-Glycine	2500
² H ₄ -Alanine	500
² H ₈ -Valine	500
² H ₃ -Leucine	500
² H ₃ -Methionine	500
¹³ C ₆ -Phenylalanine	500
¹³ C ₆ -Tyrosine	500
² H ₃ -Aspartate	500
² H ₃ -Glutamate	500
² H ₂ -Ornithine	500
² H ₂ -Citrulline	500
² H ₄ ; 5- ¹³ C-Arginine	500

For research use only. Not for diagnostic purposes.

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