



# NSK-B-G – Supplemental Acylcarnitine Reference Standards

This set contains 10 vials of a dry mixture of four isotopically labeled acylcarnitines. Accurate and complete reconstitution of the contents of one vial in 1 ml of high purity solvent will produce the concentrations presented in the **Standards Concentrations** table. Mix well. This solution becomes the Concentrated Supplemental Acylcarnitines Stock Standard

## Dilution of Reference Standards Concentrated Working Stock

To prepare working stock solutions, mix 1 ml (vial contents) of concentrated standards from NSK-A with 1ml of the concentrated standards from NSK-B and 1ml of the concentrated standards from NSK-B-G. 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)
<sup>2</sup> H <sub>3</sub> -Glutarylcarnitine	15.20
<sup>2</sup> H <sub>3</sub> -Hydroxyisovalerylcarnitine	7.60
<sup>2</sup> H <sub>9</sub> -Dodecanoylcarnitine	7.60
<sup>2</sup> H <sub>3</sub> -Octadecanoylcarnitine	15.20

For research use only – Not for diagnostic purposes