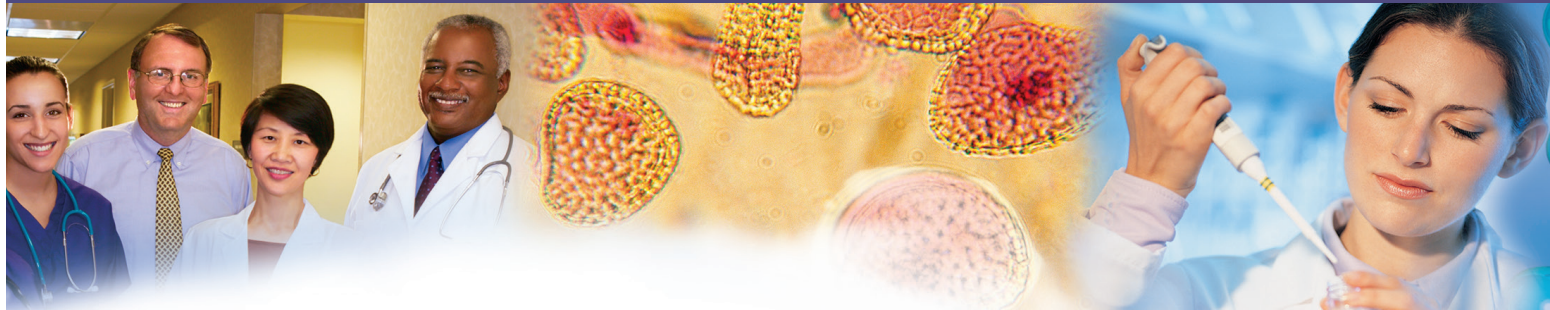




CIL

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NSK-B-G1



NSK-B-G1

Supplemental Acylcarnitine Reference Standards

This set contains 10 vials of a dry mixture of five 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 Standard Concentrations table. Mix well. This solution becomes the concentrated supplemental acylcarnitine 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 1 mL of the concentrated standards from NSK-B and 1 mL of the concentrated standards from NSK-B-G1.

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.

Note: NSK-B-G1 replaces NSK-B-G with the addition of hydroxypalmitoylcarnitine ($^2\text{H}_3$ -hydroxypalmitoylcarnitine).

Standards Concentrations

Reference Standard	Concentration (nmol/mL)
$^2\text{H}_3$ -Glutarylcarnitine	15.20
$^2\text{H}_3$ -Hydroxyisovalerylcarnitine	7.6
$^2\text{H}_9$ -Dodecanoylcarnitine	7.6
$^2\text{H}_3$ -Octadecanoylcarnitine	15.20
$^2\text{H}_3$ -Hydroxypalmitoylcarnitine	15.20

For research use only. Not for diagnostic purposes.