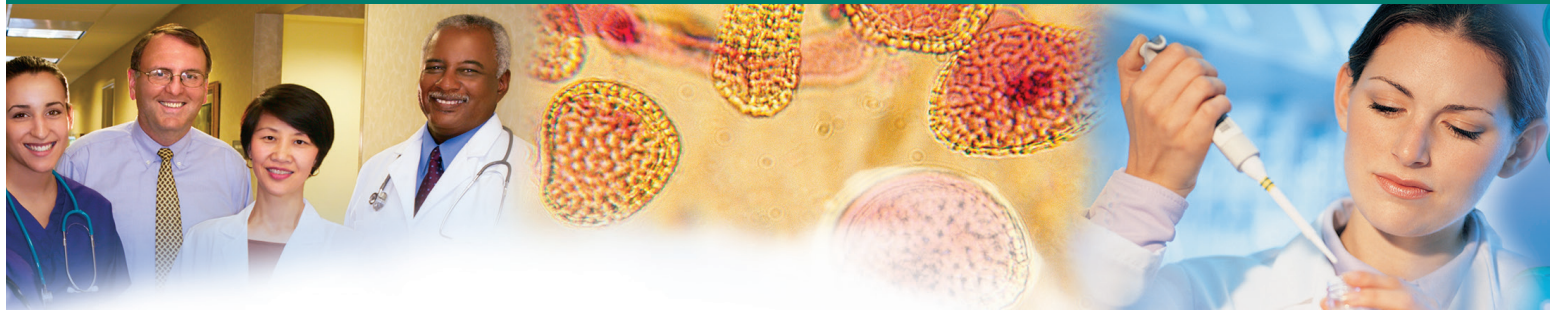


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NSK-B-US



# NSK-B-US

## Free Carnitine and Acylcarnitine Unlabeled Reference Standards

This vial contains a dry mixture of eight free carnitine and 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 acylcarnitine stock standard.

### Dilution of Reference Standards Concentrated Working Stock

To prepare working stock solutions, dilute 1 mL (reconstituted vial contents per instructions above) of the concentrated acylcarnitine stock standard with pure solvent. 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)
Carnitine (free carnitine, CN)	152.0
Acetylcarnitine (C2)	38.0
Propionylcarnitine (C3)	7.6
Butyrylcarnitine (C4)	7.6
Isovalerylcarnitine (C5)	7.6
Octanoylcarnitine (C8)	7.6
Myristoylcarnitine (C14)	7.6
Palmitoylcarnitine (C16)	15.2

**For research use only. Not for diagnostic purposes.**

To place an order please contact CIL: | t: +1.978.749.8000 | 1.800.322.1174 (North America) | cilsales@isotope.com

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3/15 Supersedes all previously published literature