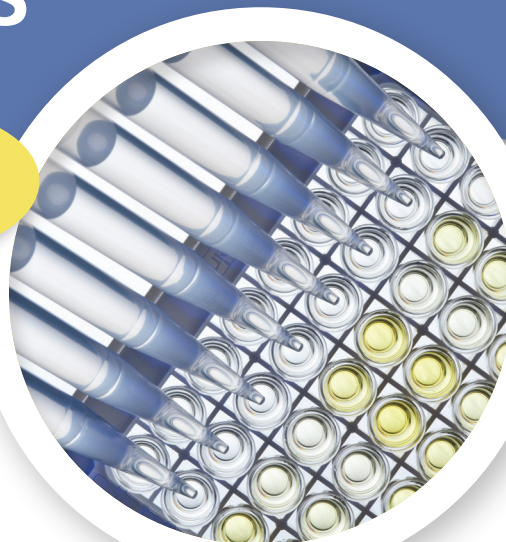


# NSK-A-TS and NSK-B-TS Tuning Standards

**New!**



## MS/MS Tuning Standards: NSK-A-TS and NSK-B-TS

Tandem Mass Spectrometer (MS/MS) Tuning Standards, NSK-A-TS and NSK-B-TS, have been developed to complement quality assurance and quality control (QA/QC) procedures in the laboratory. Use MS/MS Tuning Standards to:

- Ensure MS/MS instrument is operating at peak sensitivity for analysis of amino acids and acylcarnitines prior to analysis.
- Monitor instrument sensitivity from analysis of the first dried blood spot (DBS) to the last, whether samples are from one or several microtiter plates, during and between analysis runs.
- Quickly locate the source of sensitivity loss during an analytical run or between batch analyses.
- Compare performance of multiple instruments within a laboratory or across many laboratories.
- Evaluate performance before and after instrument maintenance.
- Assess MS/MS performance in analysis of amino acids (AA) and acylcarnitines (AC) independent of DBS samples and their preparation.

After reconstitution in mobile phase whether as free acids or derivatized as butyl esters, the tuning standards are stable in solution for up to 30 days when stored at 4°C. The prepared solutions are ready for use immediately whether for tuning the instrument as part of regular maintenance, for troubleshooting MS/MS instrument problems or for a quick daily check before each batch run (or as often as a protocol may require). These reconstituted tuning standards are concentrated solutions and do not replace NSK-A and NSK-B reference standards.

### NSK-A-TS

Catalog No.	Amino Acid	Conc. (µM)*
DLM-250	L-Alanine (D <sub>4</sub> )	25
CLM-1055	L-Phenylalanine (ring- <sup>13</sup> C <sub>6</sub> )	25
DLM-3860	L-Citrulline (5,5-D <sub>2</sub> )	25
DLM-335	DL-Glutamic acid (2,4,4-D <sub>3</sub> )	25
DLM-431	L-Methionine (methyl-D <sub>3</sub> )	25

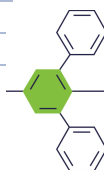
### NSK-B-TS

Catalog No.	Carnitine	Conc. (µM)*
DLM-3555	L-Carnitine (D <sub>9</sub> , 98%) (CN)	7.6
DLM-3973	O-Propionyl-L-carnitine:HCl (D <sub>3</sub> ) (C3)	0.38
DLM-755	O-Octanoyl-L-carnitine:HCl (D <sub>3</sub> ) (C8)	0.38
DLM-1263	O-Palmitoyl-L-carnitine:HCl (D <sub>3</sub> ) (C16)	0.76

\*When reconstituted in 1 mL solvent.

NSK-AB-TS (also available as individual vials)	Amount	Price
	One vial of each	\$480
	Three vials of each	\$1,368
	Five vials of each	\$2,160

For research use only. Not for diagnostic purposes.



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