

Calibration Standards for Amino Acid Analysis

As part of a complete product range (systems, columns, reagents, methods) for post column derivatization of amino acids the following calibration standards are available:

CALIBRATION STANDARDS	
P/N	Description
011006P	Native Sample Standard, in 0.2 N Lithium citrate buffer pH 2.36, 5 mL
012006P	Native Sample Standard, in 0.2 N Lithium citrate buffer pH 2.36, 5 mL
1700-0150	Native Sample Standard for rapid-screen for PKU and MSUD, in 0.2 N Lithium citrate buffer pH 2.36, 5 mL
012506C	Collagen Hydrolysate Standard, in 0.2 N Sodium citrate buffer pH 2.20, 5 mL
012506H	Protein Hydrolysate Standard, in 0.2 N Sodium citrate buffer pH 2.20, 5 mL
1700-0155	Oxidized Feed Hydrolysate Standard, in 0.2 N Sodium citrate buffer pH 2.20, 5 mL
1700-0070	Amino Acid Test Mixture, in 0.01 N HCl, 1.5 mL
1700-0170	Native Sample Standard, in 0.2 N Lithium citrate buffer pH 2.36, 5mL
1700-0175	Native Sample Standard, basics, in 0.1 N HCl, 5mL
1700-0180	Native Sample Standard, acidics and neutrals, in 0.1 N HCl, 5mL

Concrete compositions are listed at page 2.

Are you looking for a customized calibration standard according to your special needs or further information about amino acid analysis? Please contact us.

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Calibration Standards for Amino Acid Analysis (Compositions)

CALIBRATION STANDARDS FOR AMINO ACID ANALYSIS									
CONSTITUENTS	1700-0180*	1700-0175*	011006P	012006P	1700-0150	012506C	012506H	1700-0155	1700-0170
Beta-Alanine	*		*	*					*
Alanine	*		*	*		*	*	*	*
D,L-α-Amino-adipic acid	*		*	*					*
Gamma-Amino butyric acid		*	*	*					*
Alpha-Amino-n-butyric acid	*		*	*					*
D,L,b-Amino-i-butyric acid	*		*	*					*
Alpha-Amino-Beta-guanidinopropionic acid			*	*					
Ammonia		*	*	*		*	*	*	*
Anserine		*	*	*					*
Arginine		*	*	*		*	*	*	*
Asparagine	*		*	*					*
Aspartic acid	*		*	*		*	*	*	*
Carnosine		*	*	*					*
Citrulline	*		*	*					*
Creatinine		*	*	*					*
Cystathionine	*		*	*					*
Cystine	• (1.25)		*	*		*	*		*
Cysteic acid								*	
Ethanolamine		*	*	*					*
Glutamic acid	*		*	*		*	*	*	*
Glycine	*		*	*		*	*	*	*
Histidine		*	*	*		*	*	*	*
D,L-Homocystine		*	*	*					*
L,L & allo-Hydroxylysine		*	*	*		*			*
4-trans-L-Hydroxyproline	*		*	*		• (1.25)			*
Isoleucine	*		*	*	*	*	*	*	*
Leucine	*		*	*	*	*	*	*	*
Lysine		*	*	*		*	*	*	*
Methionine	*		*	*	*	*	*	*	*
Methionine-D,L-sulfoxide						*			
Methionine-D,L-sulfone								*	
1-Methyl-histidine		*	*	*					*
3-Methyl-histidine		*	*	*					*
Norleucine			*						
Ornithine		*	*	*					*
Phenylalanine	*		*	*	*	*	*	*	*
Phosphoethanolamine	*		*	*					*
Phosphoserine	*		*	*					*
Proline	*		*	*		• (1.25)	*	*	*
Sarcosine	*		*	*					*
Serine	*		*	*		*	*	*	*
Taurine	*		*	*					*
Threonine	*		*	*		*	*	*	*
Tryptophan		*	*	*		*	*	*	*
Tyrosine	*		*	*	*	*	*	*	*
Urea	*		*	*					*
Valine	*		*	*		*	*	*	*

NOTE: Concentration of all the constituents in the Amino Acid standards is 0.25 µmole/mL unless otherwise specified.
*Concentration of all the constituents is 2.5 µmole/mL unless otherwise specified