

Product-Information
AA Calibration Standard Collagen-Hydrolysate
Order No.: 5.403.176
Content: 5.0 ml

Store frozen (below -15°C)!

Unfrozen up to 5 days at room temperature.

Lot: Example / Exp. Date:

Concentration of each component : c = 2.50µmol/ml (+ 1% / - 4%)
Exception Cystine : c = 1.25µmol/ml (+ 1% / - 4%)
and OH-Proline and Proline : c = 12,50µmol/ml (+ 1% / - 4%)

IMPORTANT INFORMATION:

Before use thaw the solution completely and mix thoroughly! Refreeze as soon as possible. Frequent thawing and refreezing should avoided. At frequent use, it is recommend making aliquots of suitable volumes.

To achieve the required concentration dilute with the appropriate dilution buffer.

Biochrom (all instruments) :

Na-Citrate Sample Loading Buffer, order no. 80-2037-67

Eppendorf-Biotronik LC 3000:

Na-Acetate Sample Dilution Buffer, order no. 5.403.053.

This standard solution contains the following amino acids dissolved in 0.1n HCl - elution sequence according to AAA Biochrom (all Sodium systems High Performance or High Resolution) and Eppendorf-Biotronik LC 3000 (Sodium system):

No.	Component	<u>M</u> [g/mol]	No.	Component	<u>M</u> [g/mol]
1	Hydroxy Proline	131,1	11	Methionine	149,2
2	Aspartic Acid	133,1	12	Isoleucine	131,2
3	Threonine	119,1	13	Leucine	131,2
4	Serine	105,1	14	Tyrosine	181,2
5	Glutamic Acid	147,1	15	Phenylalanine	165,2
6	Proline	115,1	16	Histidine	155,2
7	Glycine	75,1	17	Lysine	146,2
8	Alanine	89,1	18	Ammonia Sulphate	132,1
9	Cystine	240,3	19	Hydroxy Lysine	198,6
10	Valine	117,2	20	Arginine	174,2