

**Product-Information**  
**AA Calibration Standard Hydrolysate**  
**Order No.: 5.403.155**  
**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%)**

**IMPORTANT INFORMATION:**

Before use thaw the solution completely and mix thoroughly! Refreeze as soon as possible. Frequent thawing and refreezing should be avoided. At frequent use it is recommended to make 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	Aspartic Acid	133,1	10	Methionine	149,2
2	Threonine	119,1	11	Isoleucine	131,2
3	Serine	105,1	12	Leucine	131,2
4	Glutamic Acid	147,1	13	Tyrosine	181,2
5	Proline	115,1	14	Phenylalanine	165,2
6	Glycine	75,1	15	Histidine	155,2
7	Alanine	89,1	16	Lysine	146,2
8	Cystine	240,3	17	Ammonia (NH <sub>4</sub> <sup>+</sup> )	18,0
9	Valine	117,2	18	Arginine	174,2