

Product Information
AA Calibration Standard Feedstuff Hydrolysate
Order No.: 5.403.154
Content: 5.0 ml

Store frozen (-15°C or below)!
 Unfrozen overall up to 5 days at room temperature.

Lot: FH Example / Exp. Date:

Concentration for 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; instead of this 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 LC3000: 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 instruments) running Oxidised Feedstuff application (High Performance or High Resolution).

No.	Component	M [g/mol]	No.	Component	M [g/mol]
1	Cysteic Acid	169,2	13	Methionine	149,2
2	Taurine	125,1	14	Isoleucine	131,2
3	Methionine Sulfone	181,2	15	Leucine	131,2
4	Aspartic Acid	133,1	16	Tyrosine	181,2
5	Threonine	119,1	17	Phenylalanine	165,2
6	Serine	105,1	18	γ-Aminobutyric Acid	103,1
7	Glutamic Acid	147,1	19	Histidine	155,2
8	Proline	115,1	20	Ornithine	132,2
9	Glycine	75,1	21	Lysine	146,2
10	Alanine	89,1	22	Ammonia (NH4+)	18,0
11	Cystine	240,3	23	Arginine	174,2
12	Valine	117,2			

At AAA Eppendorf-Biotronik LC 3000 Aspartic Acid elutes before Methionine Sulfone.