


# Product certificate Amino Acids

**Product name** Control Amino Acids

<b>Product code</b>	Product code	Colour cap
	AMI-01	Silver

<b>Batch numbers and Expiry date</b>	Batch number	Exp. date stored at +2°C to +8°C
	<b>LOT</b> 2010.006	 <b>2014-09</b>

**Reconstitution volume** 1.0 mL

**Calculated Consensus Values**

Analyte	Calculated Consensus Value (µmol/L)	95% Confidence Interval	Expected Range results in Laboratory
Alanine	658	650 - 666	538 - 778
a-aminobutyric acid	36	35 - 37	28 - 44
Arginine	272	268 - 276	215 - 329
Citrulline	326	321 - 331	245 - 407
Cystine	39.4	39 - 40	28 - 51
Glycine	744	735 - 753	602 - 886
Histidine	335	329 - 341	245 - 425
D-Tryptophan	123	120 - 126	85 - 161
Hydroxyproline	97.8	96 - 100	71 - 124
Isoleucine	170	168 - 172	136 - 204
Leucine	442.0	435 - 449	334 - 550
Lysine	361.0	356 - 366	284 - 438
Methionine	232	229 - 235	183 - 281
Ornithine	277	273 - 281	220 - 334
Phenylalanine	523	515 - 531	403 - 643
Proline	364	359 - 369	287 - 441
Serine	148	146 - 150	122 - 174
Taurine	169	167 - 171	135 - 203
Threonine	147	145 - 149	122 - 172
Tyrosine	269	265 - 273	210 - 328
Valine	448	442 - 454	354 - 542
Allo-isoleucine	124	122 - 126	99 - 149
Saccharopine	100	97 - 103	73 - 127
Arginino succinic acid	263	251 - 275	122 - 404
Phospho ethanolamine	51.8	50 - 54	27 - 77
Asparagine	112	109 - 115	61 - 163
Aspartic acid	36.6	36 - 38	22 - 51
Glutamine	783	772 - 794	614 - 952
Glutamic acid	108	106 - 110	83 - 133

\* See Value Assignment and Ranges at the reverse



Consult  
Instructions  
For Use



## Amino Acids

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### Intended purpose

Control of analytical systems for the determination of amino acids in serum or plasma.

### Contents

Lyophilized human serum to which amino acids have been added to achieve an analytically and physiologically relevant level of the amino acids.

### Value Assignment and Ranges

The specimens are prepared from equal amounts of the specimen pools used to manufacture the ERNDIM External Quality Assessment Scheme samples. The assigned values represent the average of the mean consensus concentrations of the 4 pools equal to the concentrations in the annual report (see reverse of this product certificate). The column with the 95% Confidence Interval shows the confidence interval of the assigned value (narrow range). The column with the expected range shows the range in which results of individual laboratories can be expected (wide range).

### Storage and stability

The product in lyophilized form is stable for 5 years when stored at +2°C to + 8°C. Expiration dates are found on the product certificate (reverse). The stability of the reconstituted product is 48 hours when handled appropriately: pure water, replacement of stopper and storage at 2-8°C.

### Instructions for use

- a. Remove cap and stopper.
- b. Add 1 mL aqua destillata
- c. Replace stopper
- d. Let stand for 15 minutes at room temperature
- e. Mix carefully during 20 minutes at room temperature
- f. Process product as patient sample

### Precautions and warnings

1. For *in vitro* diagnostic use only.
2. Tested and found negative for Hepatitis B Surface Antigen (HbsAg), antibody to hepatitis C (HCV) and antibody to HIV.
3. This product should be handled with care, as appropriate for biological materials. Outdated and left-over material should be discarded as potentially infectious material, according to the procedures in your institute.

### References

[www.ERNDIMQA.nl](http://www.ERNDIMQA.nl)

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Dr. C.W. Weykamp

