



Productcertificate Amino Acids

Productname Control Amino Acids (€8.20 per vial)

Productcode

Productcode	Colour cap
AMI-01	Silver

Batchnumbers and Expiry date

Batchnumber	Exp.date stored at +2°C to +8°C
LOT 2008.006	2014-01

Reconstitution volume

1.0 mL

Calculated Consensus Values

Analyte	Calculated Consensus Value (µmol/L)	95% Confidence Interval
Alanine	426	420-432
alpha-Amino butyric acid	27	25-27
5-Aminolevulinic acid	50	45-55
Arginine	134	132-136
Asparagine	124	119-129
Aspartic acid	27	24-30
Citrulline	194	189-199
Cystine	37	36-38
Glutamine	606	596-616
Glutamic acid	111	106-116
Glycine	424	417-431
Histidine	213	209-217
Histidine 1-Methyl	26	25-27
Hydroxylysine	132	129-135
Hydroxyproline	34	33-35
Isoleucine	150	148-152
Leucine	340	334-346
Lysine	290	285-295
Methionine	228	224-232
Ornithine	138	136-140
Phenylalanine	336	331-341
Proline	219	214-224
Sarcosine	146	141-151
Serine	91	89-93
Sulfocysteine	46	41-51
Taurine	135	133-137
Threonine	115	114-116
Tyrosine	239	236-242
Valine	330	327-333



Consult
Instructions
For Use



Amino Acids

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

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 productcertificate).

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 productcertificate (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. Open the vial carefully avoiding any loss of material.
- b. Add 1 mL aqua destillata (at room temperature)
- c. Replace stopper
- d. Let stand for 15 minutes at roomtemperature
- e. Mix carefully
- f. Analyse 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.
4. No values for glutamin, glumatic acid, asparagine and aspartic acid as these are not stable due to hydrolysis.

References

www.ERNDIMQA.nl

11 september 2007
Dr. C.W. Weykamp

