



Portfolio of Ansynth Analysis

Protein bound amino acids

- Analysis of up to 29 amino acids and related compounds after acid hydrolysis (**AN4001e**)
 - *Taurine, Aspartic acid + Asparagine, Hydroxyproline, Threonine, Serine, Glutamic acid + Glutamine, Sarcosine, α -Aminoadipic acid, Proline, Glycine, Alanine, Citrulline, α -Aminobutyric acid, Valine, Isoleucine, Leucine, Tyrosine, β -Alanine, Phenylalanine, β -Aminoisobutyric acid, γ -Aminobutyric acid, Ethanolamine, Hydroxylysine, Ornithine, Lysine, 1-Methylhistidine, Histidine, 3-Methylhistidine, Arginine*
- Analysis of up to 15 amino acids and related compounds after acid hydrolysis (**AN4010e**)
 - *Aspartic acid + Asparagine, Threonine, Serine, Glutamic acid + Glutamine, Proline, Glycine, Alanine, Valine, Isoleucine, Leucine, Tyrosine, Phenylalanine, Lysine, Histidine, Arginine*
- Analysis of Cyst(e)ine and Methionine after oxidation and acid hydrolysis (**AN4040e**)
 - Before hydrolysis Cyst(e)ine and Methionine are oxidized to Cysteic Acid and Methionine Sulfone respectively.
- Analysis of Tryptophan after alkaline hydrolysis (**AN4070e**)
 - Tryptophan is stable during alkaline hydrolysis
- Total amino acid analysis (**AL4000e** = AN4010e & AN4040e & AN4070e)

Free amino acids

- Analysis of up to 42 free amino acids and related compounds (**AN4020e**)
 - *Phosphoserine, Taurine, Phosphoethanolamine, Urea, Aspartic acid, Hydroxyproline, Threonine, Serine, Asparagine, Glutamic acid, Glutamine, Sarcosine, Cysteine, α -Aminoadipic acid, Proline, Glycine, Alanine, Citrulline, α -Aminobutyric acid, Valine, Cystine, Homocitrulline, Methionine, Cystathionine, Isoleucine, Leucine, Tyrosine, β -Alanine, Phenylalanine, β -Aminoisobutyric acid, Homocystine, γ -Aminobutyric acid, Ethanolamine, Hydroxylysine, Ornithine, Lysine, 1-Methylhistidine, Histidine, 3-Methylhistidine, Anserine, Carnosine, Arginine*
- Analysis of up to 20 free amino acids and related compounds (**AN4030e**)
 - *Aspartic acid, Threonine, Serine, Asparagine, Glutamic acid, Glutamine, Cysteine, Proline, Glycine, Alanine, Valine, Cystine, Methionine, Isoleucine, Leucine, Tyrosine, Phenylalanine, Lysine, Histidine, Arginine*
- Analysis of free Tryptophan (**AN3201e**)



Biogenic amines

- Analysis of up to 13 biogenic amines and related compounds (**AN4700e**)
 - *1,3 Diamino-propane, Arterenol, Putrescine, Histamine, Cadaverine, Spermidine, Benzylamine, Agmatine, Tyramine, Cystamine, Spermine, Phenylethylamine, 1,7 Diamino-heptane.*

Coupled amino acids

- Analysis of Lysinoalanine (including acid hydrolysis) (**AN4250e**)
- Analysis of Lysinoalanine Free (**AN4260**)
- Available Lysine (analysis of Lysine + Furosine including acid hydrolysis) (**AL4140e**)
- Analysis of Carboxymethyllysine (including acid hydrolysis) (**AN4200e**)
- Analysis of Lanthionine (including acid hydrolysis) (**AN4300e**)
- Analysis of Hydroxymethylfurfural Free (**AN4350e**)
- Collagen 6M & 3M & Native test (**AN4100e**)
- Collagen 6M & 3M (**AN4110e**)
- Collagen 6M (**AN4120e**)