

Before submitting your sample

- (1) Obtain special flame-sealable tubes from the laboratory (building A, 3.46a; phone +420 220 183 354). Discuss possible compatibility issues as some solvents, buffers, and additives interfere with the assay.
- (2) Label the tubes **close to the bottom** with tape or sticker. Make sure the label is legible and **does not peel off**.
- (3) Place an amount corresponding to 2 to 30 nmol of each amino acid of which analysis is requested on the bottom of the tube. If liquid, **evaporate**, and seal with parafilm<sup>1</sup>.
- (4) For a standard sample, expect a 24-hour turnaround time. Reports to be sent by email.

Select what is required:

- ☐ AA Composition      ☐ Protein/peptide concentration      ☐ Resin substitution  
☐ Cysteine, methionine<sup>2</sup>      ☐ Tryptophan<sup>3</sup>      ☐ Extended hydrolysis time<sup>4</sup>  
☐ Special amino acids:.....

Submitter Information

Date of Submission:.....Department:.....  
Name:.....Contact Email:.....

Sample Information<sup>5</sup>

Sample ID(s):.....  
Sample Description (MW etc.):.....  
Expected Amount (most/least abundant amino acid, nmol):.....  
Solvent details (DMSO, amino-buffers, detergents):.....  
.....

<sup>1</sup> Use a maximum 5 µL of sample *if* submitted in DMSO, DMF, or any other high-boiling solvent.  
<sup>2</sup> To assay for regular amino acids AND Cysteine (and Methionine), two aliquots (in two test tubes) need to be submitted.  
<sup>3</sup> Tryptophan is not routinely reported as it requires special conditions during hydrolysis.  
<sup>4</sup> When quantitative analysis of Leucine, Isoleucine, or Valine is requested for a peptide with high content of these amino acids, a 72-hour hydrolysis is usually preferred.  
<sup>5</sup> One submission form can be used for multiple samples if expected to be similar in composition, amount, and solvent composition.