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Offer for a quantitative proteomic analysis using TMT

To whom it may concern,

Hereby we would like to send you an offer for a quantitative analysis of BioID labellings using TMT6plex.

TOTAL costs without VAT: 972 EUR (1 experiment)

Including the following steps:

- in-solution tryptic digest of samples (55 µl of lysate containing 11 µg of protein): free of charge
- TMT6plex-labelling: 100 EUR
- 5% of each sample will be mixed (input) and purified by a reverse phase clean-up step (OASIS): 20 EUR
- LC-MS/MS analysis of input using a 1 h gradient followed by a 30 min blank run (100 EUR/h): 150 EUR
- Remaining samples will be mixed and subjected to a reverse phase clean-up step (OASIS): 20 EUR
- High pH offline fractionation: 20 EUR
- LC-MS/MS analysis of 6 fractions using a 1 h gradient per fraction, followed by a 30 min blank run (600 EUR/h): 650 EUR
- Data analysis: free of charge

All the best,

Per Haberkant, PhD

Sample Preparation Guidelines

Biological Replicates

- A minimum of three biological replicates per experimental condition is required for statistical validity.

Sample Format

- Provide samples as protein lysates adjusted to a defined protein concentration (e.g., 11 µg per 55 µl for full proteomes).
- Maximum volume for in-solution tryptic digest workflow: 50 µl.

Protein Quantification

- For limited sample amounts (e.g., from immunoprecipitations, pull-downs, BioID, or APEX labeling), estimate protein quantities via SDS-PAGE and Coomassie staining (detection limit: µg range).

Sample Labeling and Documentation

- Deliver samples in PCR strips labeled with sequential numbers.
- Avoid labeling tubes with experimental details.
- Provide experimental information in a spreadsheet format, correlating sample numbers with respective conditions and replicates.

Reagent Compatibility

- Our workflow is compatible with various detergents and reagents. For a comprehensive list of tested compatible reagents, refer to Figure 1B in Hughes et al. (2014).

Customer-Specific Instructions

External Customers

- First-time users: Complete the PPMS document for integration into our online management system.
- Submit a service request form via email and include a hard copy with your samples.
- Adhere to our sample shipping guidelines.

Internal Customers

- Register with the PPMS online management system.
- File a PPMS request prior to sample submission.

Sample Storage and Processing

- Samples will be stored for three months upon receipt at our facility. You will receive email confirmation of sample arrival.