The Queensland Node of Proteomics Australia

The Queensland Node of Proteomics Australia offers high throughput quantitative proteomics services to all life science researchers. Services are offered through a consortium of Australian universities and research institutes with world class facilities.

Services offered

Sample Preparation

Automated Sample preparation

Protein Identification

By Data Dependant Analysis

Protein quantification

By Data Dependent Analysis

By Data Independent Analysis

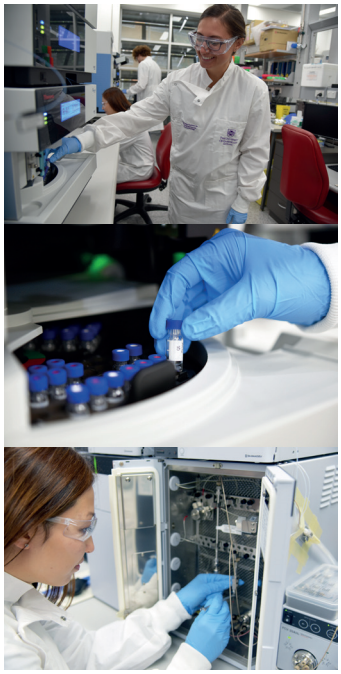
By Isobaric Tag Analysis

Protein modification Analysis

By phosphorylation, Γ carboxylation

Data analysis

Data processing workflows



Our New ThermoFisher Q-Exactive HF-X offers a new standard in sensitivity, performance and productivity.

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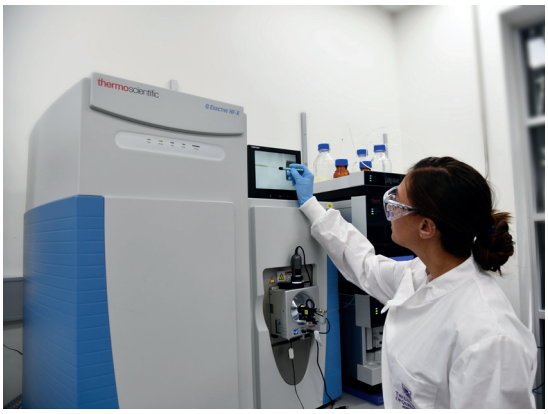
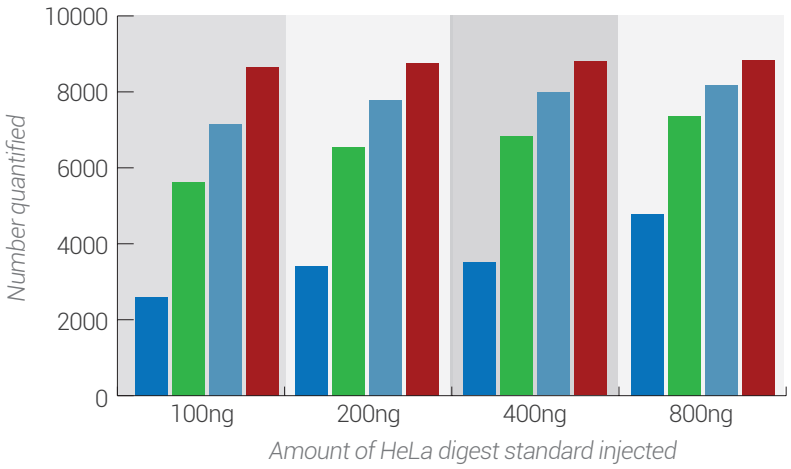
Label-free quantification of a HeLa sample

The Queensland node of Proteomics Australia specialises in high throughput quantitative proteomics, particularly label-free proteomics for systems biology and biotechnology applications. Label-free quantification is the quantification of MS peptide signals by LC/MS/MS data without an isotopic label. For example, we can quantify up to 8700 proteins in 200ng of a HeLa digest, from which more than 3400 have a median CV of less than 10% using 200 ng of HeLa digest (equivalent to ~1000 cells).

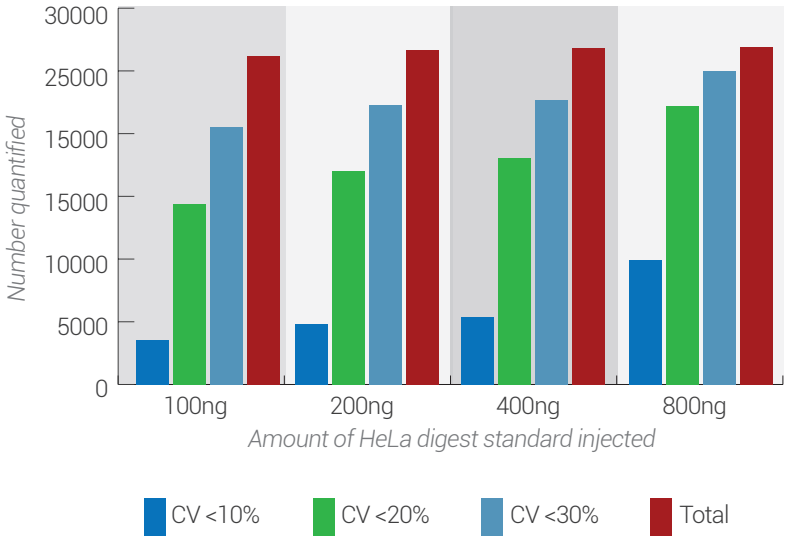


Our node is part of a national consortium initiative, comprising the Adelaide Proteomics Centre (University of Adelaide), The Monoclonal Antibody Technology Facility (Monash University), Monash Biomedical Proteomics Facility (Monash University), the Australian Proteome Analysis Facility (Macquarie University) and Proteomics International.

Cofficient of variation of protein quantification



Cofficient of variation of peptide group quantification



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