

QPS Austria's department of *in vitro* research offers a selection of molecular biological methods for the investigation of various diseases. The unit supports *in vitro* and *in vivo* studies performed at QPS Austria. However, with the same techniques routine sample analyses from external preclinical and clinical studies can be performed. Using the same methods for cell culture, animal and human samples increases the translational value of your analyses.



Sample processing

- Brain tissue e.g. processed to soluble or insoluble fractions
- Extraction and purification of DNA / RNA / protein

Analyses

- Western blotting, WES
- ELISA
- Enzymatic assays, colorimetric assays
- MSD platform
 - various inflammation marker/cytokines
 - Amyloid- β
 - Tau
 - α -synuclein
 - and many more
- Quantitative Real - Time PCR / gene expression analysis for any gene of interest

