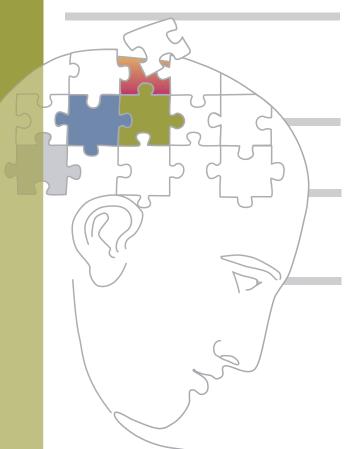
Contract Research Services

Pronexus Analytical AB is a contract research organization offering services in neurochemical *in vivo* monitoring and allied bioanalytical techniques. Our mission is to serve pharmaceutical companies and research organizations aiming to accelerate the process of drug discovery, evaluate mechanisms of drug actions and strengthen functional validation of candidate drugs.

The bioanalytical services provided by Pronexus are focused on applications of techniques and methods for monitoring brain chemistry *in vivo* including microdialysis and biosensors. The bioanalytical laboratory and the animal research facility are GLP-compliant with full regulatory approvals.

Technology benefits



Microdialysis and biosensor techniques allow *in vivo* monitoring of the release, uptake and metabolism of neurotransmitters and other neuroactive molecules diffusing in the extracellular space of the brain.

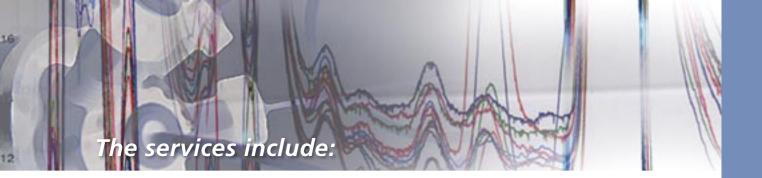
Studies including PK/PD and targeted bioavailability such as penetration of a drug through the bloodbrain barrier could be carried-out in an elegant way by use of multiple microdialysis probes sampling from various body compartments.

Microdialysis offers the closest correlation of neurochemistry *in vivo* to behavior or to electrophysiological measures of brain activity.

Microdialysis strengthens the predictive validity of animal models of psychiatric and neurological/neurodegenerative diseases and serves as a unique tool for investigating the mechanisms of drug actions.

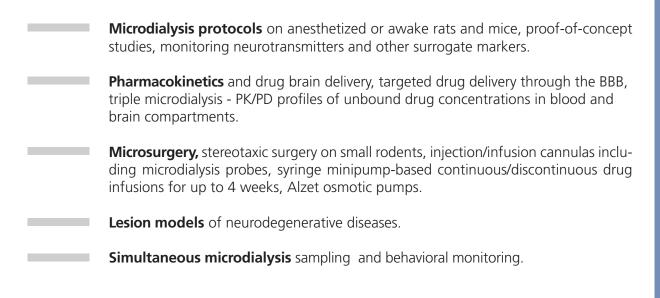
Microdialysis data may play a crucial role in the decision process concerning further development of a new drug.





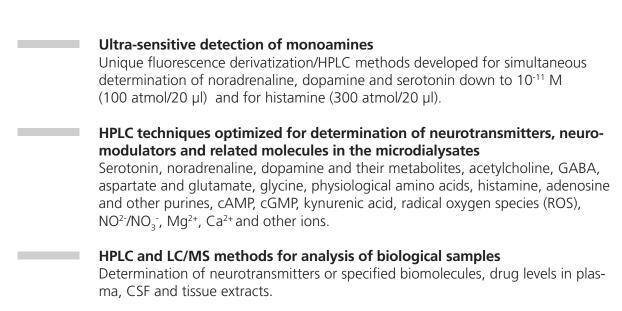
Experimental models

Specialized skills in microsurgery, stereotaxic surgery and in vivo handling protocols



Analytical services

Unsurpassed sensitivity of neurochemical HPLC methods



HPLC and enzymatic spectrophotometric assays for clinical microdialysatesAmino acid analysis, lactate, pyruvate, glycerol, glucose, enzymes and clinical biomarkers.