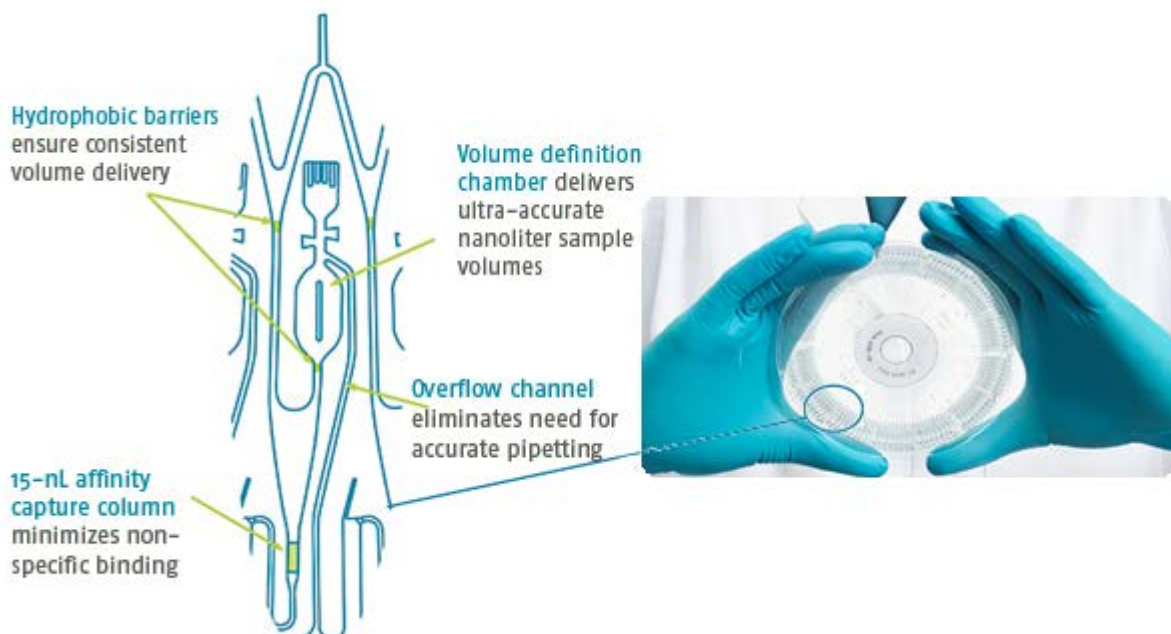


M. Sc. Thesis Project, spring 2022

Oligonucleotide assays on Gyrolab

Oligonucleotide drugs, including antisense oligonucleotides and DNA- and RNA-based vaccines, have been growing in interest in recent years. Measurement of the concentration of oligos is important both in manufacturing of the drugs and in biological samples to follow the pharmacokinetics (PK) of the drug in the patient or study animal.

The Gyrolab platform was developed in Uppsala in the beginning of the millennium and is a semi-automated immunoassay platform based on a Compact Disc (CD's) format. Small sample volumes (20-4000 nL) are passed over nL sized affinity columns placed in the CD when it is spun in the Gyrolab instrument. The assay readout is fluorescence, detected for each affinity column on the CD.



This M. Sc. thesis project aims to evaluate and optimize different assay formats for measuring the oligonucleotide drugs on the Gyrolab platform.

Apply by sending your CV and personal letter to ann-charlott.steffen@gyrosproteintech.com