



SciLifeLab  
industry users:  
>100 yearly

## SciLifeLab user case: Industry

Diagnostics

# Quantitative mass testing from dried blood

“By using a combination of paper and polymer microfluidics, Capitainer has made it possible for everyone to obtain a precise volume of blood from a finger prick home sample. This means that the sample can be used for accurate quantitative analysis, something that opens up for almost endless possibilities.

Because of its quantitative properties and extreme ease of use, Capitainer®qDBS can successfully be used for home sampling in large populations.

Due to the high volumetric accuracy and precision of the device, the sample collection is on par with industrial pipetting, and will be just as reliable as venipuncture, routinely used in the health care system. The dried samples, which can survive for up to a year in room temperature, can then be sent for various laboratory analyses.



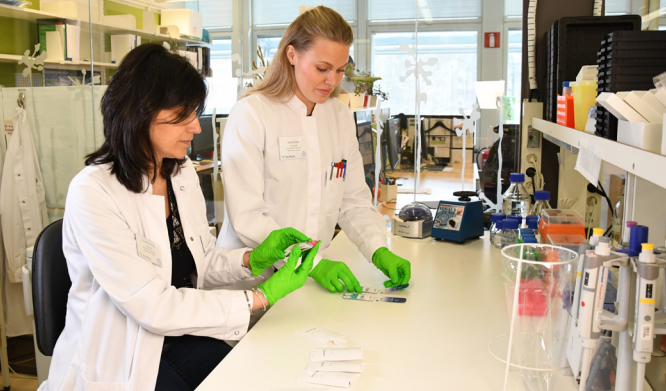
*For Capitainer to work with SciLifeLab, immediately puts our product in the heart of proteomics and personalized medicine. SciLifeLab can test and prove the full power of what our technology can bring to the world.*

*When talking to the marketing director of a US multiplex analyzing instrument, they confirmed that one of the best partners Capitainer could have in the world for proteomics is SciLifeLab, located within 2km from our office.*

*Together with SciLifeLab, we can now support large scale studies for the pharma industry and clinical trials”, Christopher Aulin, the CEO of Capitainer explains.*



Curious to learn more? Access full case text through the QR code!



## SciLifeLab infrastructure related to the case

SciLifeLab cutting-edge technology and expertise play an important role in development of the device for proteomic profiling but also exploring the possibilities of quantifying other molecules. The SciLifeLab Affinity Proteomics Unit have supported testing and further development of the qDBS device in the past couple of years, contributing to the evaluation of analysis robustness, stability over shipment and developing workflows to facilitate large-scale testing using qDBS sampling.

### SciLifeLab Affinity Proteomics

The unit offers expertise in the analysis of human body fluids, cells, and tissue lysates. It provides analysis of protein-protein interactions and activation in situ or in tissues. The services aim to support researchers and clinicians in the fields of translational and personalized medicine providing access to an exquisite infrastructure to apply cutting edge immunoassays technologies for multiplexed protein quantification.

Support in biomarker studies from discovery to validation, in a large number of samples and a variety of human conditions.

Services include study design, selection of antibodies, data processing.



*Our vision is to make workflows of analysis based on qDBS, an open resource for researchers and to create a facility with capacity for population based monitoring programs", says Claudia Fredolini, head of unit, Affinity Proteomics Stockholm.*

### Applications

- High-throughput, exploratory protein profiling of human body fluids
- Biomarkers discovery and validation in large sample cohorts
- Robust protein quantification for candidate biomarkers
- Analysis of proteins interactions and/or post-translational modifications in cells and tissues
- Development of novel immunoassays concepts
- Antibody validation and selectivity analysis

Potential users are welcome to contact the unit to schedule a free consultation meeting.

### Get in touch!

[scilifelab.se/units/affinity-proteomics](https://scilifelab.se/units/affinity-proteomics)