



somalogic

SomaLogic Authorized Site FAQ

Can we process fewer than 85 samples in one run?

Yes, as a SomaLogic Authorized Site you can achieve a lower sample throughput on the Tecan platform. The purchase of one kit with slides and one kit without slides enables the analysis of 37 samples + 11 controls per run. For details, please contact customer support at support@somalogic.com.

Can we process mouse samples with the SomaScan Assay 7K Kits?

Samples originating from mice can be analyzed with the SomaScan 7K Assay kits but are not currently supported on the SomaScan 11K Assay. For kit selection, please contact customer support at support@somalogic.com.

Can we run our own custom panels as an Authorized Site?

Custom panels are currently only available with sample processing performed at our Boulder laboratory. For additional information, visit <https://somalogic.com/panels/>.

Can we run SomaSignal Tests (SSTs) as an Authorized Site?

SSTs are currently only available with sample processing performed at our Boulder laboratory. For additional information, visit <https://somalogic.com/somasignal-tests-for-research-use/>.

What sample type kits are available for Authorized Sites?

	Human EDTA Plasma	Human Serum	Human CSF	Human Urine	Human Cell & Tissue
SomaScan 7K Assay	X	X	X	X	X
SomaScan 11K Assay	X	X			

For details, please contact customer support at support@somalogic.com.

Can we run human citrate plasma or human heparin plasma samples with the plasma kit?

	Human Citrate Plasma	Human Heparin Plasma
SomaScan 7K Assay	X	X
SomaScan 11K Assay	X	

For details, please contact customer support at support@somalogic.com.

Can the SomaScan Assay Kits be used for diagnostic purposes?

The SomaScan Assay is designated for research use only (RUO) applications. All materials and reagents associated with the kits may only be used for their intended purpose. The SomaScan® Assay, SomaScan Assay Kits, and SOMAmer® Reagents are developed, designed, intended, and sold for research purposes only and not for diagnostic or patient management purposes.

Does the SomaScan Assay allow for the detection of peptides?

The SomaScan Assay does not detect peptides. SOMAmer Reagents are designed to bind a specific protein epitope present in a folded protein. Please visit <https://somallogic.com/technology/> for more information regarding the SomaScan Assay, SOMAmer Reagents, and applications of our platform.

Can we run different sample types on the same plate?

Yes, different sample types could be run on the same plate. Please contact customer support at support@somallogic.com for more details.

Do you provide marketing tools to help an Authorized Site promote the technology?

Yes. Part of the package of setting up an Authorized Site includes access to marketing and promotional tools. Please contact support@somallogic.com for more information.

Do you have a reagent rental program?

Yes. Please contact customer support at support@somallogic.com for more details.

Customer Service

What do I do if there is a SomaLogic equipment issue?

SomaLogic SomaScan equipment includes a one-year warranty. Beyond the first year, ongoing annual support contracts are available for ongoing service needs. Please contact customer support at support@somallogic.com for more information.

Can you help our customers with study design?

We provide additional study design consulting as requested through our Production Bioinformatics Team and Global Scientific Engagement Teams.

What is the process for assay technicians to get trained and qualified?

The Field Application Scientist (FAS) demonstrates the assay while the trainees observe. The next step is for the trainees to run a training assay while being observed by the FAS. Each trainee then runs one qualification assay under supervision of the FAS and then needs to complete at least two or more runs without supervision. Three out of the four runs must pass for qualification.

Can SomaLogic Authorized Sites engage both non-profit and for-profit clients?

Yes, they can engage both non-profit and for-profit clients.

Do you provide quality assurance/control services for kit runs?

Each Authorized Site is qualified for running the SomaScan assay, and ongoing QC/QA takes place to ensure each site is obtaining high quality SomaScan data. Each site receives pass/fail assessment for each SomaScan run that is completed. Download **Authorized Site Guidance** for more information regarding Authorized Site QC/QA.

How long does it take to ship a kit from the point you get a PO?

Number of Kits Ordered	Average Time to Shipment from Purchase
Up to 5	5 business days
6	4 weeks

Please consider shipping time as well, as international shipping will take longer.

Please contact customer support at support@somallogic.com for more details.

We have three to four new employees a year. Do you charge extra for training them as they arrive?

New employees may be authorized by a SomaLogic FAS as needed.. Please contact customer support at support@somallogic.com for more details.

What is the shelf life of the SomaScan Assay Kit?

We currently guarantee five months of shelf life from date of shipment.

Data Analysis

Can we apply Adaptive Normalization Maximum Likelihood (ANML) or do our own normalization?

Data for plasma and serum are delivered with and without ANML normalization, which allows for quantitative comparison across sample sets by removing analytes that deviate from the reference sample. You may use the ANML normalized data or use your preferred normalization strategy.

Do you offer data normalization software?

Analytics tools are currently in development. Please contact customer support at support@somallogic.com for more information.

How do you process the raw data generated by the assay?

Output files from the Agilent feature extraction process and sample import sheets are uploaded to Box. Feature extraction occurs at each Authorized Site where .tiff files from Agilent scanner are converted to .txt files. Data processing from .txt files is performed by SomaLogic where RFU for each SOMAmer Reagent is returned to the customer.

How do I normalize my data on-premises?

Primary normalization is provided through SomaLogic. We are currently working to release a software solution that may be used at each Authorized Site.

If we send our data to SomaLogic to normalize, what is the turn around time?

Contracts guarantee seven business day turnaround, though three business days are typical. Turnaround time can vary.

How do customers transfer Agilent Microarray TIFF data to SomaLogic?

Only text files are uploaded to Box, along with a workbook which includes a Sample Import Sheet. The .tiff images are not transferred since the feature extraction is done from the .tiff to the .txt files on site (and the .tiff files are very large). Agilent .txt feature data (one per subarray) are transferred to SomaLogic via Box.

I'm an international customer. How do you process my data?

Text files and Sample Import Sheet are uploaded to Box. Feature extraction occurs at customer site where .tiff files from Agilent scanner are converted to .txt files. Data processing from .txt files is performed by SomaLogic where RFU for each SOMAmer Reagent is returned to the customer.

Are there additional software tools we can use in downstream analysis of the normalized data?

Yes. DataDelve Statistics software may be used to further explore and visualize your resulting data. For more information, please contact our support team at support@somallogic.com.

SomaScan Assay

What equipment is needed to run the SomaScan Assay Kit?

The SomaScan Assay Kit requires a variety of equipment, including a Tecan Fluent, SomaLogic custom equipment bundle, and Agilent Microarray Scanner. Please contact customer support at support@somallogic.com for a full overview of equipment requirements.

Does the SomaScan 11K Assay run differently than the SomaScan 7K Assay?

The SomaScan 7K and SomaScan 11K Assays run very similar protocols. There are slight modifications to the Tecan Fluent deck for running the 11K Assay, but the general process is quite similar.

How much do the SomaScan Assay Kits cost?

Please contact sales@somallogic.com for information on pricing.

How much space is needed to run the SomaScan Assay 7K Kit system?

Customers should have 150 sq. ft lab space that is temperature-controlled. Looking for more details? Download the **“Lab Installation Layout”** document.

What does the assay workflow look like?

After initial sample preparation steps, the automated workflow proceeds. A SOMAmer reagent-protein binding step is followed by a series of partitioning and wash steps to convert relative epitope concentrations into measurable nucleic acid signals that are quantified using DNA hybridization microarrays. For more detailed information regarding the assay principle, download our [technical note](#).



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Will the assay perform the same at sea level versus altitude?

Yes, performance will be the same at both elevations.

Can we just use multi-channel pipettors until we have enough volume for a robot?

Unfortunately, there is not currently a manual protocol for running the SomaScan Assay.

Can you offer absolute quantification?

We currently provide relative quantification as a readout. Please contact customer support at support@somallogic.com for more information regarding data analysis.

How many full-time employees do I need to run the assay?

At a minimum, one full-time employee is required to run the SomaScan Assay. We recommend two full-time employees if you are running more than one assay per week.

Why are SOMAmer Reagents better than antibodies?

Antibodies can result in non-specific binding, with CVs as high as 25%. SOMAmer Reagents have been optimized for specificity with specific binding to target epitopes with CVs around 5%. You can learn more information about SOMAmer Reagents here: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3000457/>.

What is a reasonable sample throughput estimate per day or per week?

In theory, each robot system can accommodate two assay runs per day with two groups of analysts in a 10-to-11-hour time frame. This translates to 680 samples per week. In practice, Authorized Sites may expect to run approximately half of this.