



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. 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 non-human plasma and serum with the SomaScan™ Assay Kits?

Samples originating from non-human primate, mouse, dog, cat and pig can be analyzed with the SomaScan™ 4K, 7K, and 11K Assay kits. For kit selection, please contact customer support at support@somalogic.com.

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

Yes. Authorized Sites have subscription access to DataDelve™ Normalization Software (Cloud/Desktop) which allows Authorized Sites to redact out both fixed and customized panels.

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

Yes, SomaSignal Tests (RUO) may be run at Authorized Sites if the site holds a K00024 subscription. This subscription provides on-demand access to all 18 available tests.

What sample type kits are available for Authorized Sites?

	Plasma	Serum	Human CSF	Human Urine	Human Cell & Tissue
SomaScan Select 4K Assay	X	X			X
SomaScan 7K Assay	X	X	X	X	X
SomaScan 11K Assay	X	X	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 Select 4K Assay	X	X
SomaScan 7K Assay	X	X
SomaScan 11K Assay	X	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. 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 purchase order (PO)?

Number of Kits Ordered	Average Time to Shipment (from PO Receipt at SomaLogic)
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, or potentially may be authorized by an experienced qualified operator at the Authorized Site. Please contact customer support at support@somallogic.com for more details.

What is the shelf life of the SomaScan Assay Kit?

SomaScan 4K and 11K products are guaranteed to have a minimum of eight months of shelf life from the date of shipment. The SomaScan 7K Assay is guaranteed a minimum of five months of shelf life from the 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?

Yes. We offer DataDelve Normalization & QC Software. Please contact customer support at support@somallogic.com for more details.

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

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

How do I normalize my data on-premises?

Data may be normalized on site using either our DataDelve Normalization & QC, Cloud software or our DataDelve Normalization & QC, Desktop software. Contact support@somallogic.com for more information.

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

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

How do customers transfer Agilent Microarray TIFF data to SomaLogic?

Text files may be uploaded to SomaLogic using the DataDelve Normalization & QC or Desktop software, or alternatively via Box.com. These text files include the Agilent RFU file as well as an Assay Workbook which includes a Sample Import Sheet.

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

Text files and the Sample Import Sheet are uploaded to SomaLogic via DataDelve Normalization & QC Cloud or Desktop software or Box.com. 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 the RFU for each SOMAmer Reagent is provided 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 the LabThread SLX Automation Equipment, SomaLogic custom equipment bundle, and Agilent Microarray Scanner. Please contact customer support at support@somalogic.com for a full overview of equipment requirements.

Does the SomaScan 11K Assay run differently than the SomaScan 7K or 4K Assay??

The SomaScan 4K, 7K and 11K Assays utilize very similar protocols. There are slight modifications to the liquid handling deck for running the 4K and 11K assays, but the general process is quite similar.

How much do the SomaScan Assay Kits cost?

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

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

Customers should have 200-square-foot (19-square-meter) 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](#).

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@somalogic.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.

How do SOMAmer Reagents compare with antibodies as affinity reagents?

SOMAmer Reagents and antibodies are both affinity reagents — molecules designed to bind specific protein targets — but they differ substantially in structure, selection, validation, and performance characteristics. For example, 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/> and <https://somalogic.com/single-somamer-reagents/>.

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 8 plates, or 680 samples per week.