



# SomaScan<sup>®</sup> Assay

A proteomics platform driving pioneering discoveries

## Discover *new disease biomarkers* through high-throughput protein profiling

**7,000**

proteins analyzed in each 55  $\mu$ L sample

**~5%**

median coefficient of variation for plasma

**10 log**

dynamic range from fM to  $\mu$ M

**>500**

publications to date

**>550,000**

samples run to date

## Key *disease* areas

### Cardiovascular disease

Circulating proteins are powerful indicators of cardiovascular disease. More than 55 cardiovascular disease publications feature data from the SomaScan Assay.

### Diabetes

Models built from data from the SomaScan Assay have been used to predict progression from prediabetes to diabetes.

### Oncology & Immunotherapy

Identify and characterize cancers and predict response to immunotherapy by measuring circulating proteins.

### Nonalcoholic fatty liver disease

The SomaScan Assay can be used to detect biomarkers associated with nonalcoholic steatohepatitis and nonalcoholic fatty liver disease.

### Rare disease

The SomaScan Assay has been used in biomarker discovery and pathway analysis to aid in the diagnosis and development of effective treatments for rare diseases.

### Neurology

With the ability to profile 7,000 proteins simultaneously, the SomaScan Assay is well-suited to measuring low and highly abundant proteins in a small amount of blood or cerebrospinal fluid.

**Custom and disease-specific panels** are also available for a more targeted approach to your protein profiling.

Learn more at [somalogic.com/publications](https://somalogic.com/publications)

# Identify biomarkers and biomarker pathways for:

## Pharmaceutical R&D

- Target identification
- Target validation
- Mechanism of action
- Pharmacokinetics/pharmacodynamics
- Enrichment of clinical trials
- Stratification of clinical trials

## Academic R&D

- Disease biology modeling
- Disease sub-phenotyping
- Physiology investigation
- Pathway regulation investigation
- Rapid translation from bench to bedside
- Dovetailing with clinical care

## SomaScan Assay services for protein profiling and biomarker discovery



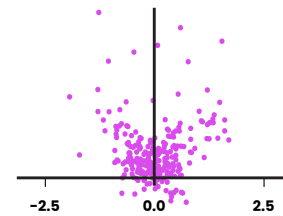
### Initiate SomaScan Assay services

- Gain access to our Life Science customer portal and initiate your project
- Choose from our 7K SomaScan Assay, preset disease-focused or customized panels, or our SomaSignal™ Tests
- Submit your samples to SomaLogic. Upon receipt, samples are processed and prepared for assaying at our CLIA/CAP-certified lab



### The SomaScan Assay

- Before being processed, your samples are diluted and prepared with SomaScan Assay components including our engineered SOMAmer® protein capture reagents
- Samples are transferred for hybridization to a custom microarray; data are read out upon completion of the SomaScan binding assay



### Data generation

- Data files are generated, formatted, and provided to you through our confidential customer portal
- Data can be visualized using tools in the SomaLogic portal or can be processed by your team

**SomaLogic's project managers provide additional support through the process.**

Abbreviations: CAP, College of American Pathologists; CLIA, Clinical Laboratory Improvement Amendments.



**SomaScan [Assay] is the state-of-art proteomic platform in multiplex, sensitivity and throughput."**

CUSTOMER RESPONSE TO TECH VALIDATE SURVEY



Learn more about the SomaScan Assay  
[somallogic.com/somascan-assay](https://somallogic.com/somascan-assay)

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### SomaScan Assay Brochure

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