Become a SomaLogic® Authorized Site

Reliable Sample Insights

SomaScan® Assay Kits detect the most proteins over a broad dynamic range, without sacrificing reproducibility, sensitivity, or specificity. Equipping your laboratory with kits provides:

- On-demand, on-site access to large-scale proteomics
- Experimental control for high-throughput projects
- Easier workflow and less "hands on" lab time compared with other assays

Assay Specifics

11,000	protein measurements per sample
85-90[1]	samples per assay kit (plasma and serum)
6-11[1]	controls per assay kit (plasma and serum)
5.5	hours of "hands on" lab time per assay run
2	days to complete assay workflow[2]
7	days from raw data upload to processed results[2]
200	sq. ft. of lab space per liquid handling system

[1]*Samples and controls per assay vary based on the kit type*
[2]*Typical results*

1 FTE can run **340** samples/per week

With staggered runs, 2 FTE can run **680** samples/per week

Assay Workflow

1 Semi-Automated Sample Preparation — 1.5 hours

- ⬢ Liquid handler initialization (15 min)
- ⬢ Sample preparation (1.25-1.5 hr)
- ⬡ Liquid handler dilutions (if applicable)

2 Sample Binding — 3.5 hours

- ⬡ Sample binding reaction (3.5 hr)
- ⬢ Auxiliary preparation (20 min)
- ⬢ Gather consumables/prepare Fluent (30 min)

3 Semi-Automated Assay — 2.5 hours

- ⬢ Deck setup (15 min)
- ⬡ Liquid handler runs SomaScan Assay method to isolate and elute SOMAmer reagents (2.25 hr)
- ⬢ Imaging via Cyanine 3 fluorescence (1 min)

4 Hybridization — 20 hours

- ⬢ Hybridization plate prep (15 min)
- ⬢ Agilent microarray slide loading (5 min)
- ⬢ Documentation (10 min)
- ⬡ Agilent microarray hybridization (19 hr)
- ⬢ Agilent microarray slide washing (30 min)

5 Microarray Readout — 3.5 hours

- ⬡ Agilent microarray slide scanning and feature extraction (3.5 hr)

6 Data Review and Upload — 0.5 hours

- ⬢ Documentation (20 min)
- ⬢ Data review and upload (10 min)

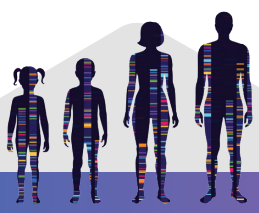
7 ADAT File Generation — 3 business days*

- ⬡ SomaLogic normalizes data, assures data quality, and creates an ADAT file
- ⬡ SomaLogic flags any data irregularities

⬢ Hands On Steps ⬡ Hands Off Steps

Note that some hands-on and hands-off tasks run concurrently.

**Provided as an estimate. ADAT file-generation lead-time estimates are subject to fluctuate depending on demand.*



Scan the QR code for more information

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