



3.5 hours

20

hours

0.5 hours

Reliable Sample Insights

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SomaScan® Assay provides the ability to detect the most proteins over a broad dynamic range, without sacrificing reproducibility, sensitivity, or

- On-demand, on-site access to large-scale proteomics

Assay Specifics

protein measurements per sample

samples per assay kit (plasma and serum)

6-11' controls per assay kit (plasma and serum)

hours of "hands on" lab time per assay run

days to complete assay workflow²

days from raw data upload to processed results²

sq. ft. of lab space per LabThread™ SLX system

Samples and controls per assay vary based on the kit type *Typical results



3

5

11,000

85-90

200

Assay Workflow

Semi-Automated Sample Preparation

- LabThread SLX initialization (15 min)
- Sample preparation (1.25-1.5 hr)
- LabThread SLX dilutions (if applicable)

Sample Binding

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

Semi-Automated Assay

- Deck setup (15 min)
- O LabThread SLX runs SomaScan Assay method to isolate and elute SOMAmer® Reagents (2.25 hr)
- Imaging via Cyanine 3 fluorescence (1 min)

Hybridization

- 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)

Microarray Readout

O Agilent microarray slide scanning and feature extraction (3.5 hr)

• **Data Review and Upload**

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

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

ADAT File Generation

- Raw data undergoes normalization through the DataDelve™ Normalization & QC Software - Cloud, ensuring superior quality data output
- O Data irregularities are flagged, ensuring rigorous quality control

2.5 hours

3.5 hours



