

SomaLogic® Authorized Site

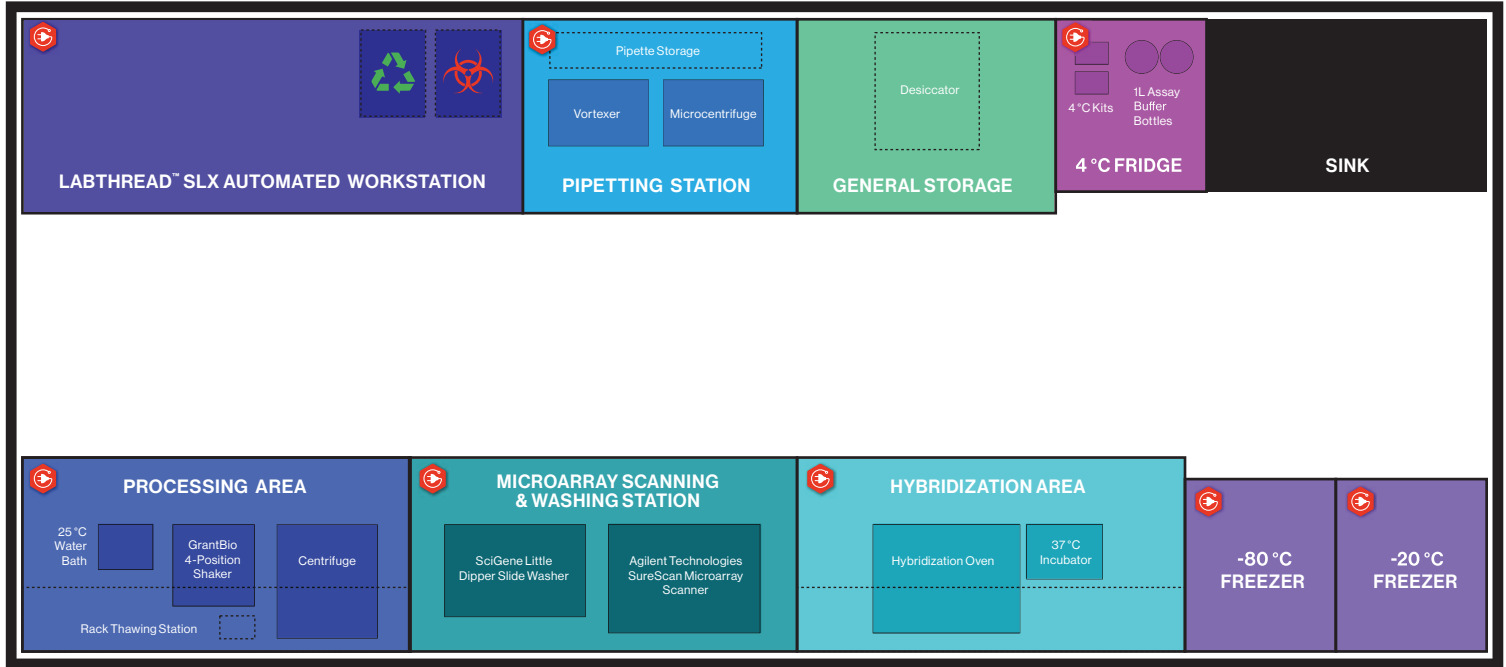
Lab Installation Layout

This document describes the required equipment, dimensions, and suggested layout of a lab space processing the SomaScan® Assay.



Dimensions & Space Considerations

EXAMPLE LAYOUT: 10 feet x 21 feet (3m x 6.5m)



 INDICATES THIS AREA CONTAINS EQUIPMENT THAT REQUIRES POWER OUTLETS

LabThread SLX Automated Workstation

Dimensions:

- Height (standard Z): 1,953mm/76.77"
- Height (long Z): 2,301 mm/90.6"
- Width: 1,650 mm/65.19"
- Width with Monitor: 2,032mm/80"
- Depth: 785 mm/30.9"
- Weight: 220.9kg/487lbs
- Shipping weight: 303.9kg/670lbs
- Package Dimensions: 183 cm x 113 cm x 153 cm/ 72 in. x 45 in. x 60 in.
- Electrical Requirements: 100-240V (Swapable power cord)

Recommendation:

System should not be exposed to direct sunlight or air flow.

Site Specifications:

Elevator Requirements

- Door Width Minimum: 113cm (45in.)
- Height Minimum: 153cm (60 in.)
- Length Minimum: 234cm (92in.)
- Loading Capacity Minimum: 500kg/ 1000lbs

Door and entryway requirements

- Width Minimum: 88cm (35in.)
- Height Minimum: 66cm (26in.)



Processing Area

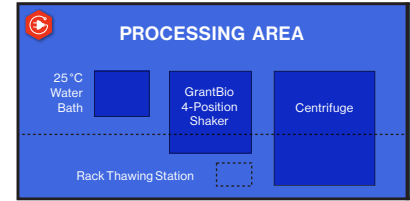
Dimensions:

6 ft. (1.8m) bench space to accommodate

- 25 °C Water Bath (recommended dimensions 13.25" x 8.25" x 9.88" / 33.6cm x 21.0cm x 25.1cm)
- Centrifuge (18.5" x 21" x 13.4" / 47.0cm x 53.3cm x 34.0cm)
- GrantBio 4-Position Shaker (15" x 15" x 5.5" / 38.1cm x 38.1cm x 14.0cm)
- Rack Thawing Station (6.5" x 4.25" x 11" / 16.5cm x 10.8 x 14.0cm)
 - Typically installed in storage shelves above processing area

Recommendation:

Used in sample and reagent preparation, hybridization set-up, and consumable storage.



Pipetting Station

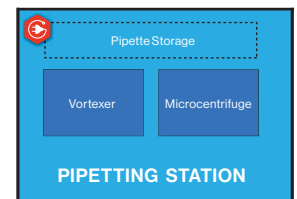
Dimensions:

Large, **empty lab bench** with space to accommodate

- Pipette Storage
- Vortexer
- Microcentrifuge

Recommendation:

Used when pipetting sample diluent, and in auxiliary preparation and slide dropping.

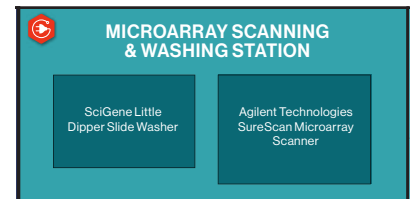


Microarray Scanning & Washing Station

Dimensions:

6 ft. (1.8m) bench space to accommodate

- Agilent Technologies SureScan Microarray Scanner (17" x 26" x 16.5") / (43cm x 67cm x 42cm) Weight: 56.8 kg/ 125.26 lbs
- SciGene Little Dipper Slide Washer (20" x 28" x 22") Weight: 26.8 kg (59lbs)
- Additional space for cracking slides
- Requires internet access
- May require fume hood during use of ACN for processing microarray slides. Check your local Environmental Health and Safety regulations



Hybridization Area

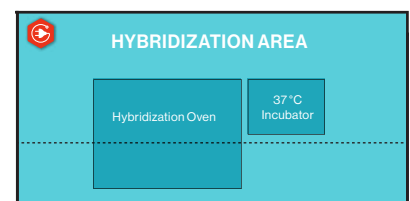
Dimensions:

6 ft. (1.8m) bench space to accommodate

- Hybridization Oven roughly 40" x 20" x 20" / 102cm x 51cm x 51cm Weight: 75.0 lbs (34.0 kg)
- 37 °C Incubator (10" x 14" x 16" / 25cm x 36cm x 41cm)
- Storage for reagents, flammable liquids, and high BTU waste/Waste volume:
 - Solid Biohazardous Waste: Roughly half a 50 gal trash can per assay (2100g)
 - Liquid Biohazardous Waste: 500mL
 - Flammable Waste: 350mL

Recommendation:

Microarray processing uses acetonitrile. Area may need vent depending on your institution's regulations.



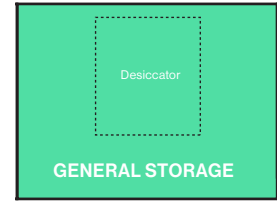


General Storage

Dimensions:

Space to accommodate

- Storage for consumables including robotic tips, plates, troughs, Agilent reagents, etc.
- Desiccator for storage of unused Agilent slides (recommended)
- Ambient Kit (8" x 4" x 2-1/8") will change to 8-1/4" x 4-1/4" x 2-1/4"

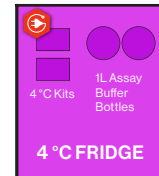


4 °C Fridge

Dimensions:

Space to accommodate

- 1L Assay Buffer Bottles
- 4C Kits (5-5/16" x 4-3/4" x 4-15/32" per each kit box) will change to 5-5/16" x 4-3/4" x 4-15/32"

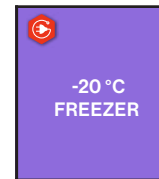


-20 °C Freezer

Dimensions:

Space to accommodate

- 20 °C Kit Components (8" x 4" x 2-1/8") will change to (6" x 3-1/2" x 2-1/8")
- Additional stage for Archive Plates (recommended)

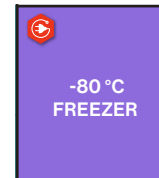


-80 °C Freezer

Dimensions:

Space to accommodate

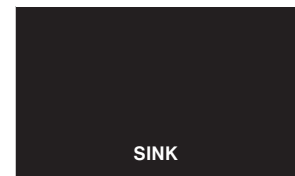
- Sample and control sample storage sent with kits (4-9/32" x 3-1/32" x 2-5/8") will change to (4-9/32" x 3-1/32" x 2-5/8")



Sink

Recommendation:

- Sink in lab to clean reusable reagent reservoir
- Fume hood to address bio-safety concerns for sample aliquoting



Other Lab Requirements

Access to deionized (DI) water

