

SomaLogic™ Authorized Site

Lab Installation Layout

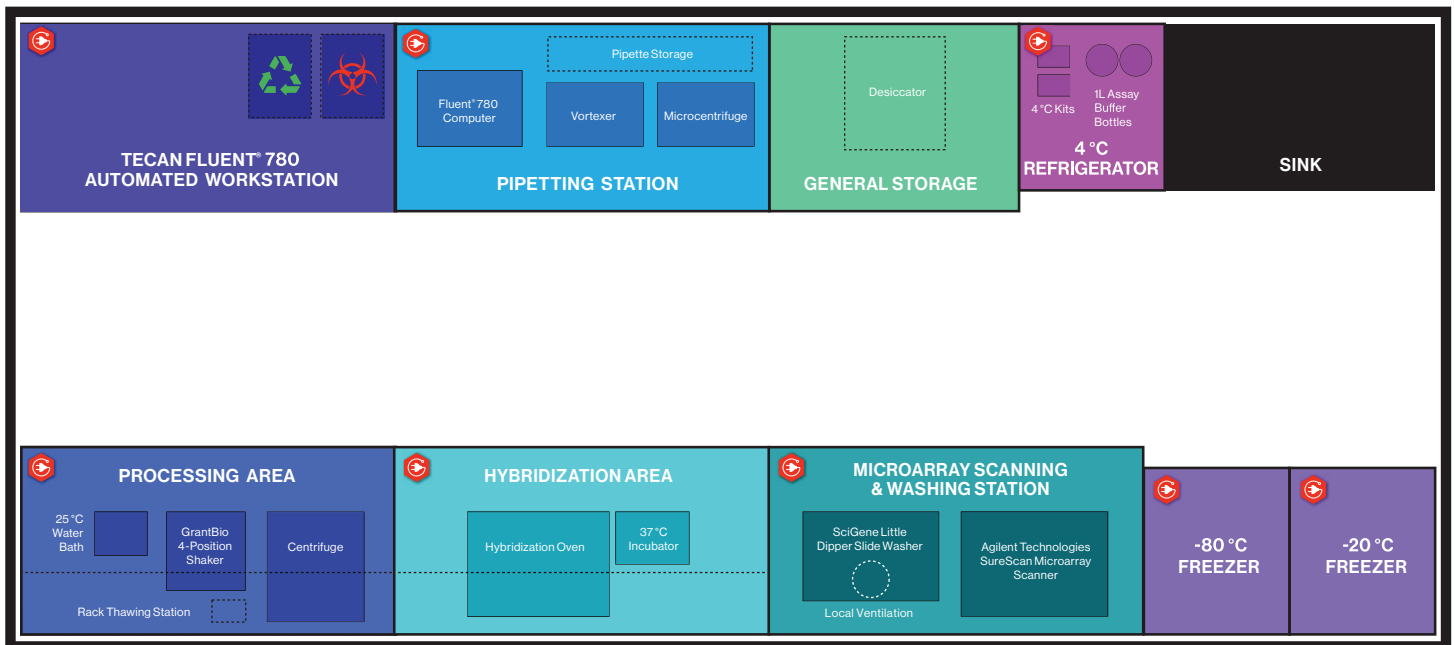
This document describes the required equipment, dimensions, and suggested layout of a lab space processing plasma and serum samples with the SomaScan™ Assay Kit.



somallogic

Dimensions & Space Considerations

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



INDICATES THIS AREA CONTAINS EQUIPMENT THAT REQUIRES POWER OUTLETS

Tecan Fluent® 780 Automated Workstation

Dimensions:

- Height (standard Z): 1,236 mm/48.6"
- Height (long Z): 2,301 mm/90.6"
- Width: 1,650 mm/64.96"
- Depth: 785 mm/30.9"
- Weight: 152.8 kg/ 336.8 lbs
- Shipping weight: 235.8 kg/ 519.8 lbs
- 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)

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.)

Operating Environmental Conditions

- Operating Temperature: 15-32°C/ 59-90°F
- Operating Humidity: 30-80% relative at 30°C/ 86°F or below
- Operating Altitude: max. 2000m (6562ft.) above sea level

Recommendation:

Requires table 6 ft. or larger with additional bench space for computer. Workstation should not be exposed to direct sunlight or air flow. Workstation should be in close proximity to biohazard waste and recycling containers.



Processing Area

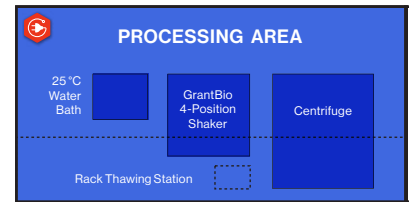
Dimensions:

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

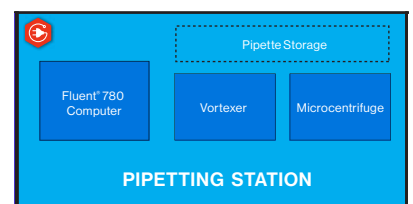
Dimensions:

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

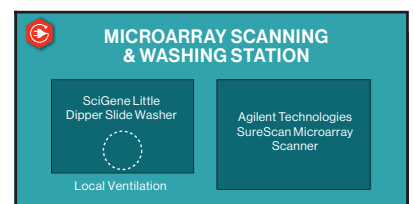


Microarray Scanning & Washing Station

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 or local ventilation during use of ACN for processing microarray slides. Check your local Environmental Health and Safety regulations



Hybridization Area

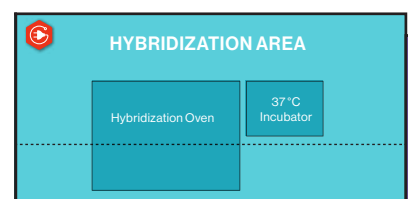
Dimensions:

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"

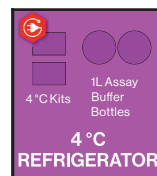


4 °C Refrigerator

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"

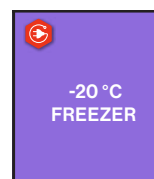


-20 °C Freezer

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)

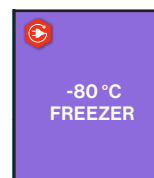


-80 °C Freezer

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



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SomaLogic™ Authorized Site - Lab Installation Layout (A4)

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