

# SomaScan<sup>®</sup> 7K Assay v4.1: Sample Preparation CSF Kit User Manual

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This user manual describes the processing steps for cerebrospinal fluid (CSF) samples using the Single Dilution SomaScan Assay 7K Kit and is applicable to kit part number 900-00025.

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SomaScan 7K Assay v4.1: Sample Preparation CSF Kit User Manual

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## 1. Introduction

This document describes the sample preparation procedure for the Single Dilution SomaScan 7K Assay for the analysis of up to 85 cerebrospinal fluid samples using kit part number 900-00025. The completion of this protocol must be followed by the execution of the Single Dilution SomaScan Assay 7K protocol, as described in D0004923 SomaScan Assay 7K Kit – Single Dilution Assay Instructions.

### 1.1. For Research Use Only

The SomaScan Assay 7K, SomaScan Assay 7K kits, and SOMAmer® reagents may only be used for their intended purpose as described in, and in strict accordance with, the protocols and other materials accompanying them. The SomaScan Assay 7K, SomaScan Assay 7K kits, and SOMAmer reagents are developed, designed, intended, and sold to the institution for research purposes only and are not for use in diagnostic procedures. The SomaScan Assay 7K, SomaScan Assay 7K kits, and SOMAmer reagents are not to be used by the institution or any third party for human consumption, diagnostic, clinical or therapeutic applications, or be included or used in any drug intended for human, agricultural or cosmetic use. All care and attention should be exercised in the handling of the SomaScan Assay 7K, SomaScan Assay 7K kits, and SOMAmer reagents by following appropriate research lab practices.

Additional limitations of the procedure are described in document D0004919 SomaScan Assay 7K Kit – Overview and Introduction.

## 2. Material Provided & Storage Conditions

The SomaScan Assay 7K – CSF Kit (900-00025) is shipped at three conditions – one on dry ice, one on wet ice, and one at ambient temperature. Upon receipt of the SomaScan Assay 7K – CSF Kit, the components should be stored at the indicated temperatures:

Kit Component Name	Part Number	Storage Temperature
SomaScan Assay 7K, ambient components	899-00042	Ambient (+10 to +30 °C)
SomaScan Assay 7K, 4C components	899-00043	+4 °C

Kit Component Name	Part Number	Storage Temperature
		(+2 to +8 °C)
Assay Buffer, 1000 mL	651-00125	+4 °C (+2 to +8 °C)
SomaScan Assay 7K, -20C Single Dilution components	899-00050	-20 °C (-10 to -30 °C)
SomaScan Assay 7K, -80C CSF components	899-00051	-80 °C (-70 to -90 °C)

*For a detailed list of the components provided in the SomaScan Assay 7K – CSF Kit and all other types of kits available, please see document D0004919.*

### 3. Other Supplies Required, but Not Supplied in the SomaScan Assay 7K – CSF Kit

Please refer to D0004924 SomaScan Assay 7K Kit – Single Dilution Assay Consumable List or **Appendix 1** at the end of this document for a complete list of consumables required to complete this protocol. This list also includes all consumables required to perform the subsequent Single Dilution SomaScan Assay 7K, as described in the manual D0004923.

**NOTE:** Do not proceed with this procedure unless all consumables have been obtained.

### 4. Sample Collection and Storage

For an example of the sample collection procedure for cerebrospinal fluid, see D0004351 SomaScan Assay: Recommended Sample Handling and Processing for Non-Core Sample Types.

**Note:** Sample stability has not been evaluated.

## 5. Setup and Implementation of Single Dilution SomaScan 7K Sample Preparation: CSF (Duration: ~1.25 hours)

### 5.1. Consumable Preparation

- Obtain one Nunc round bottom plate and label as follows on the front and left-hand side, with the notch facing towards the analyst and in the lower left-hand corner:
    - Dil 1 (D1)
  - Obtain one stack of 200 µL nested tips, 8 wafers per stack, white cover removed
  - Obtain one foil seal
  - Obtain one clean tip wafer
- Note:** The tip wafer is a clean wafer without tips from a 200 µL or 50 µL nested tip stack

### 5.2. Tecan Fluent Startup and Platform Initialization

**NOTE:** Complete the following actions prior to thawing the biological samples as a conservative measure in case unforeseen technical issues arise with the instrument. This approach will avoid compromising the biological samples. If multiple assays are performed within a day, the following steps only need to be completed before the first sample preparation of the day.

#### 1. Startup of robot

- Turn on computer connected to the Tecan Fluent robot
    - Wait to open the Fluent software until all hardware is turned on
  - Turn on Fluent robot (Myrius box)
  - Turn on power strip connected to the Thermal Magnetic Shaker (TMS) control box and BioShake shakers
  - Open the FluentControl software
- NOTE:** Do not interrupt the software while it is loading. The driver framework window will pop up and will disappear when the software is ready
- When instructed, touch anywhere on the TouchTools screen
  - Log into the FluentControl software
    - Select username

- Enter password
2. If the MCA head adapter is attached to the MCA head, proceed to **Step 6.2.3**
- Note:** If the MCA head adapter is not attached to the MCA head, follow the steps below.
- Ensure the Deck Segment System MCA is mounted to grid position **23** on the robotic deck
    - Ensure the deck segment is securely in position with the switch on the bottom of the carrier flipped to the right, locking it in place
  - Ensure Rack Head Adapter MCA is mounted on the Deck Segment System MCA with label on rack facing analyst at position **23-2**

**NOTE:** If this is the first method to be run on a given day, the robot will first perform an initialization step. Before starting, move both robotic arms to the center of the robot, away from the photo-cleavage light source to prevent collision errors during instrument initialization
  - From the TouchTools home screen, select
    - System care
    - Get head adapter
    - Press green play button to start the “Get Head Adapter” method
      - The MCA will perform the action of initializing then attaching the head adapter
  - After method completion, remove deck segment with MCA head adapter cradle from Fluent deck grid position **23**
    - Flip the switch on the bottom front of carrier to the left
      - This will unlock the carrier from the robotic deck allowing for front to back movement
    - Remove carrier by moving it forward and up
 

**NOTE:** The rear plastic pin-attachments are prone to breakage if the carrier is forcefully removed
  - Install Nest Segment, 6-Position, 7mm on grid position **23** of Fluent deck
    - Ensure the rear pins of the deck segment are securely attached to the robot deck
    - Flip the switch on the bottom front of carrier from left to right to secure the carrier in place

### 3. Shaker communication test

**NOTE:** If this is the first method to be run on a given day, the robot will first perform an initialization step. Before starting, move both robotic arms to the center of the robot away from the photo-cleavage light source to prevent collision errors during instrument initialization.

- From TouchTools home screen, select:
  - Method Starter
  - Shaker Communication Test
  - Green play button to initiate the Shaker Communication Test Method
- The method will execute a series of tests
- Watch each test carefully and acknowledge the completion of each test by following the robotic prompts.
  - ⚠ If any portion of the Shaker Communication Test fails, do not proceed and notify SomaLogic Tech Support

### 4. Waste collection bottle

- Connect waste collection bottle to the waste trough
  - Screw the waste bottle cap to the bottle
  - Attach the tubing from the waste trough to the bottle cap using the quick connector

**NOTE:** To allow proper venting, make sure **BOTH** barbs are securely connected in the quick release fitting. If either barb is not securely connected, the liquid waste trough may fail to drain and can overflow from the waste trough during the assay

### 5. Inspection of gripper fingers

- Inspect gripper fingers for deformities, damage, and debris
  - If debris is present, clean gripper fingers with an alcohol wipe
  - If there are deformities or damage, do not proceed and notify your robotics specialist or contact SomaLogic tech support
- Check leveling of the RGA fingers
  - Gently move RGA to an unobstructed (i.e., clear of labware) carrier position with a flat surface
  - Gently pull RGA head down until fingers are just above the flat surface
    - If both fingers are parallel with surface, manually raise the RGA head

- If fingers are not parallel with the surface, see **Appendix 1** for instructions on how to level the RGA gripper fingers

### 5.3. Reagent and Sample Preparation

1. Electronic documentation
  - Obtain a copy of the SomaScan Assay 7K Workbook (D0004623)
  - Save the workbook with the Study ID
    - The Study ID should consist of a letter code for your institution, followed by a digit year, a consecutive number, and set number
      - Example: SL-21-002\_Set001
2. Obtain the following reagents

Reagent/Kit	Amount	Item/Part Number	Storage Location
Assay Buffer (AB)	1 each	651-00125	4 °C storage
Kit, SomaScan Assay 7K, ambient components	1 each	899-00042	Ambient room temperature
Kit, SomaScan Assay 7K, 4 °C components	1 each	899-00043	4 °C storage
Kit, Single Dilution SomaScan Assay 7K. -20 °C Single Dilution components	1 each	899-00050	-20 °C storage
Kit, Single Dilution SomaScan Assay 7K. -80 °C CSF components	1 each	899-00051	-80 °C storage

**NOTE:** See Appendix 3 at the end of this document for a list of subcomponents associated with the CSF Kit (900-00025).

- Record the lot numbers of the kit components and the Assay Buffer (AB) in the Reagents tab of the workbook (D0004623)
- Store the Single Dilution SOMAmer-Bead Plate (part of Single Dilution SomaScan Assay 7K, -20 °C components), and all components of the SomaScan Assay 7K, 4 °C kit at room temperature until needed

**NOTE:** It may take up to 30 minutes for the Single Dilution SOMAmer-Bead Plate to completely thaw

3. Prepare reagents



- Thaw Plasma Diluent (D-P) Aliquot
  - Place the Plasma Diluent (D-P) Aliquot in the 25 °C water bath
  - Set a timer and thaw for at least 20 minutes
- Thaw 10x Slide Block (3-B) Aliquot
  - Place the 10x Slide Block (**3-B**) Aliquot in the 25 °C water bath
  - Retrieve during Auxiliary Reagent preparation (**Step 6**)
- Thaw 100x Tag Reagent (**1-T**) Aliquot and Tag Diluent (**1-D**) Aliquot
  - Place the 100x Tag Reagent (**1-T**) Aliquot in the 25 °C water bath
  - Place the Tag Diluent (**1-D**) Aliquot in the 25 °C water bath
  - Retrieve at the start of the SomaScan Assay 7K Kit – Single Dilution Assay Instructions (D00004923)

4. Retrieve and prepare the samples

- Retrieve the Matrix sample rack containing the randomized samples (85 research samples)
  - If not completed previously, add the CSF controls from the -80 °C kit (899-00051)

Sample Dilution	Calibrator Replicates (650-00056)	QC Replicates (650-00057)	Blank Replicates (650-00033)
20%	5	3	3

- The control samples should be distributed across the number of columns of samples analyzed
  - As a general guidance, include one control per column and at least one control per row
  - Do not place the replicates next to each other
- Thaw the samples
  - Remove Matrix sample rack lid
  - Place on a rack thawing station and turn on
  - Set a timer and thaw samples for 15 minutes

## 5.4. SomaScan 7K Sample Preparation Script: CSF

### 1. Preparing samples

- After the 15-minute sample thaw, remove the sample rack from the rack thawing station
    - Ensure samples are completely thawed by inspecting the sample tubes
      - If not thawed, return rack to the thawing station and thaw for an additional 5 minutes
  - Turn the rack thawing station off
  - Centrifuge sample rack at 1000 × g for 1 minute
    - Remove sample tube caps using a decapper
      - Confirm that no sample is present in caps
    - If sample is present in the caps
      - Replace caps on tubes
      - Centrifuge sample rack at 1000 × g for 1 minute
  - Cover sample Matrix rack with the plastic rack lid until further Instructions
2. Preparing Dilution Plate - Dil 1 (**D1**)
- After thawing the Plasma Diluent (**D-P**) for 20 minutes, prepare Dil 1 (**D1**) Plate
    - Remove sample diluent from the water bath
    - Ensure diluent is completely thawed
    - Invert diluent several times to thoroughly mix, avoid creating bubbles
  - Obtain the Dil 1 (**D1**) Plate prepared in **Step 5.1**
  - Pipette **96 µL (CRITICAL VOLUME)** of Plasma Diluent (**D-P**) into the wells of the Dil 1 (**D1**) Plate
  - Centrifuge plate at 1000 × g for 1 minute
3. Fluent preparation
- Setup gravity fed trough
    - Fill refillable trough bottle with **1L** of Assay Buffer (**AB**)
    - Place bottle base on **left rail-pin 7**
    - Place trough on deck position **16-4**
    - Route the tubing so it is positioned in front and under **deck carriers 2 and 9** just above the TouchTools screen
    - Insert refillable trough bottle into the base. The bottle will click into place when properly secured

- Ensure the trough starts to fill with Assay Buffer (**AB**) and verify there are no large bubbles in the tubing
    - If the trough is not filling on its own, it may be necessary to prime the tubing by lowering the refillable reagent trough to a position lower than the refillable reagent base to remove any large bubbles that may be present and initiate buffer flow. Return the trough back to deck position **16-4**
4. Method selection
    - From the TouchTools home screen select the **20% Sample Prep** method and then press the green play button to initiate the method
  5. Method initiation
    - When prompted on the Method title screen, acknowledge the RUO statement
    - When prompted enter the study ID
      - Example: SL-21-002\_Set001
  6. Fluent deck setup
    - Obtain the consumables prepared in **Step 5.1**
      - One stack of 200 µL nested tips, 8 wafers per stack, no cover
      - One foil seal
      - One clean tip wafer
    - Obtain the Single Dilution SOMAmer–Bead Plate and carefully remove the foil seal
 

**NOTE:** Make sure to hold the plate securely while removing the seal to avoid splashing.

**NOTE:** DO NOT place the v4.1 SOMAmer–Bead Plate into a thermal adapter.
    - When prompted by the robotic script, add the following items to the Fluent deck

Deck Position	Item
Left rail-pin 7	Refillable Regent Base and Bottle
2-2	Stack 200 µL Nested Tips (8 wafers per stack, no lid)
16-4	Refillable Regent Trough filled with Assay Buffer ( <b>AB</b> ) <sup>1</sup>

Deck Position	Item
30-4 (waste trough)	Clean Tip Wafer
23-5	Dil 1 ( <b>DI</b> )
23-6	Sample Rack (no lid, lock tabs facing analyst)
37-3 (TMS 3)	v4.1 Single Dilution SOMAmer-Bead Plate (foil seal removed, and plate thawed) <sup>2</sup>

<sup>1</sup> Refillable Reagent Base, Bottle, and Trough should already be on the robot deck as prepared above in **Step 5.4.3 Fluent Preparation**

<sup>2</sup> Ensure the v4.1 Single Dilution SOMAmer-Bead Plate is completely thawed before placing on the robotic deck

- Verify deck layout
- Select **Continue** within the TouchTools prompt to initiate sample dilution and Single Dilution SOMAmer-Bead Plate preparation steps
  - Carefully watch for short volume transfers, bubbles, bead aspiration or any other abnormality during robotic pipetting
  - Document any observation in the plate map tab of the SomaScan Assay 7K Workbook
- When prompted, carefully remove the v4.1 Single Dilution SOMAmer-Bead Plate from the robot deck

## 5.5. Binding Reaction

### 1. Binding setup

- Seal the v4.1 Single Dilution SOMAmer-Bead Plate with the foil seal ensuring that each well is tightly sealed
- Place the sealed plate in the binding shaker and confirm the settings:

Parameter	Temperature	Time	Shake Speed
Setting	28 °C	3 hours 30 minutes	850 rpm

- Turn the shaker on and confirm the shaker reaches **850 rpm**
- Record the following in the Plate Map tab of the SomaScan Assay 7K workbook

- Binding start time
- Calculated binding end time (**start time + 3.5 hours**)

## 5.6. Robot Cleanup

### 1. Fluent cleanup

- Remove sample rack from deck and retain to create the Sample Import sheet within the SomaScan Assay 7K Workbook.
- Clear the deck
  - Remove remaining tips
  - Remove and discard sample dilution plate and tip wafer from the waste trough into a biohazardous waste bin
- Leave Assay Buffer (**AB**) refillable bottle, base, and trough on deck
  - Leave the Tecan powered on and the FluentControl running
  - Recommendation: Wipe down deck with a disinfectant cloth

## 5.7. Sample Plate Map

1. A Sample Import Sheet is required for SomaLogic to normalize and calibrate the data set. The Sample Import Sheet is part of the Single Dilution SomaScan Assay 7K Workbook and is being populated through information entered in the Reagents and the Plate Map tab of the workbook.
2. Complete the Assayed Sample List tab in the following way (all fields are case sensitive):
  - The following information is required for SomaLogic control samples (part of the kit):
    - Sample Type
      - Calibrator
      - QC
      - Buffer
    - StudyID
      - Control
    - Barcode
      - Lot number of the control (from label)
  - The following column must be blank for SomaLogic control samples:
    - SampleID

- The following information is mandatory for customer samples:
    - StudyID
    - SampleID
  - Optional Information for customer samples ONLY:
    - Time Point
    - Sample Group
    - Sample Description
    - Sample Matrix
    - Volume Submitted
    - Optional 1
3. Complete the Plate Map tab of the SomaScan Assay 7K Workbook
- NOTE:** The Plate Map tab in the workbook is intended to be used for tracking information during the hybridization and readout part of the Single Dilution SomaScan Assay 7K, as well as to convey information about the sample preparation and the assay on a per-well basis. Some information in the table is populated through the information entered in the Assayed Sample List tab.
- If samples clogged or had low volume, select the checkbox in the column “Clogged” or “Low Volume”
    - The selection will show up in the Sample Comments column of the plate map

## 6. SomaScan Assay 7K Kit - Single Dilution Assay Instructions: Auxiliary Reagent Prep (Duration: ~10 min)

### 6.1. Auxiliary Preparation

**NOTE:** The following plates may be prepared in any order and completed prior to the start of the single plate SomaScan Assay.

1. Magnetic Bead (**M-B**) Plate preparation
  - Obtain an Abgene Plate and label as “Magnetic Beads (**M-B**)”
  - Retrieve the Magnetic Beads (**M-B**) from the 4 °C kit
  - Vortex Magnetic Beads (**M-B**) for at least 1 minute to ensure proper bead resuspension
  - Immediately pour vortexed beads into a reagent reservoir

- Pipette **75 µL** Magnetic Beads (**M-B**) (**CRITICAL VOLUME**) into wells of Magnetic (**M-B**) Bead Plate
  - Seal plate with a foil seal
  - Store plate at 4 °C
2. MB Prep Buffer (**M-P**) Plate preparation
    - Obtain a Nunc round bottom plate and label MB Prep Buffer (**M-P**)
    - Pour the MB Prep (**M-P**) Buffer into a reagent reservoir
    - Pipette **100 µL** MB Prep (**M-P**) Buffer into wells of MB Prep (**M-P**) Buffer Plate
    - Seal plate with a foil seal
    - Store plate at 4 °C
  3. 10x Slide Block (**3-B**) Plate preparation
    - Obtain a V-bottom plate and label Slide Block (**3-B**)
    - Retrieve 10x Slide Block (**3-B**) aliquot from the water bath
    - Vortex for approximately 15 seconds
    - Quick spin in a microfuge
    - Pour into a reagent reservoir
    - Pipette **15 µL** 10x Slide Block (**3-B**) into wells of Slide Block (**3-B**) Plate
    - Seal plate with a foil seal
    - Store plate at 4 °C
  4. MB Block (**2-B**) Plate Preparation
    - Obtain a V-bottom plate and label MB Block (**2-B**)
    - Retrieve the MB Block (**2-B**) aliquot from 4 °C kit
    - Pour into a reagent reservoir
    - Pipette **30 µL** MB Block (**2-B**) into wells of MB Block(**2-B**) Plate
    - Seal plate with a foil seal
    - Store plate at 4 °C

## 6.2. Sample Documentation

1. Sample preparation and well-specific notes
  - Update Assay Overview tab of the workbook
    - Transfer sample preparation notes to Section 2 of Assay Overview tab
    - If there were no sample preparation notes, enter “None”
  - Update the electronic Plate Map of the workbook

- Add all well-specific notes to the Plate Map tab of the workbook
- Save the workbook file

## 7. References

Document ID	Document Title
D0004923	SomaScan Assay 7K Kit - Single Dilution Assay Instructions
D0004919	SomaScan Assay 7K Kit - Overview and Introduction
D0004924	SomaScan Assay 7K Kit - Single Dilution Consumable List
D0004351	The SomaScan Assay: Recommended Sample Handling and Processing for Non-Core Sample Types
D0004623	SomaScan Assay 7K Kit - Workbook
D0004966	SomaScan Assay 7K Cell & Tissue and CSF Kit - Single Dilution Experienced User Checklist
D0004619	SomaScan Assay 7K Kit - Equipment List
D0004621	Fluent Operation and Maintenance Overview



## Appendix 1: Consumable List

Single Dilution SomaScan 7K Sample Preparation, Consumables List		
Common name	Amount Consumed	Amount Needed
Matrix Tubes with Rack	85 each	85 each
200 µL Nested Tips	4 wafers	8 wafers
Abgene Plate	1 each	1 each
Nunc Round-Bottom Plate	2 each	2 each
Nunc V-Bottom Plate	2 each	2 each
Foil Seals	5 each	5 each
20 µL Tips for multi-channel pipette	1 box	1 box
200 µL Tips for multi-channel pipette	3 boxes	3 boxes
Tip Wafer	2 each	2 each

## Appendix 2: Instructions for Adjustment of RGA Gripper Fingers

**NOTE:** Additional details can be found in the Fluent Operation and Maintenance Overview document (D0004621).

**NOTE:** Ensure the robot has been initialized before attempting this procedure.

1. Remove one of the nest carrier deck segments and replace it with the flat deck segment
2. Manually move RGA head over flat deck segment and lower until fingers are just above surface
3. Take instrument out of zero-gravity mode
4. Loosen screws on gripper fingers
5. Using the Move tool in FluentControl, step RGA down until  $Z = 0.0$
6. Adjust the gripper fingers so they align flush with the carrier
7. Tighten the screws on both gripper fingers (do not overtighten)
8. Using the Move tool, put RGA back in to zero-gravity mode
9. Manually raise RGA head

### Appendix 3: Components Associated with the CSF Kit

Kit Part Number	Name	Subcomponent Part Number	Subcomponent Name	Storage Temperature
900-00025	SomaScan Assay 7K – CSF Kit	899-00042	SomaScan Assay 7K, ambient components	Ambient (+10 to +30 °C)
		520-00010	Abgene Storage plate (3 each)	Ambient (+10 to +30 °C)
		899-00043	SomaScan Assay 7K, 4C components	+4 °C (+2 to +8 °C)
		899-00050	SomaScan Assay 7K, -20C Single Dilution components	-20 °C (-10 to -30 °C)
		899-00051	SomaScan Assay 7K, -80C CSF components	-80 °C (-70 to -90 °C)
		651-00125	Assay Buffer, 1000 mL	+4 °C (+2 to +8 °C)
900-00028	Single Dilution SomaScan Assay 7K – CSF Kit, no slides	899-00047	SomaScan Assay 7K, ambient components, no slides	Ambient (+10 to +30 °C)
		520-00010	Abgene Storage plate (3 each)	Ambient (+10 to +30 °C)
		899-00043	SomaScan Assay 7K, 4C components	+4 °C (+2 to +8 °C)
		899-00050	Single Dilution SomaScan Assay 7K, -20C components	-20 °C (-10 to -30 °C)
		899-00051	SomaScan Assay 7K, -80C CSF components	-80 °C (-70 to -90 °C)
		651-00125	Assay Buffer, 1000 mL	+4 °C (+2 to +8 °C)

Component Part Number	Component Name	Subcomponent Part Number	Subcomponent Name	Code
899-00042	SomaScan Assay 7K, ambient components	651-00126	MB Prep Buffer, 1l mL	M-P
		651-00033	2x Hybridization Buffer, 3.5 mL	3-H
		300-00008-012	Microarray, 8x60k, 8 per, AMADID#086332, 12 pk	--
899-00043	SomaScan Assay 7K, 4C components	651-00003	Quench Buffer, 85 mL	1-Q
		651-00005	Elution Buffer, 20 mL	2-E
		651-00007	Photo-Cleavage Buffer, 40 mL	1-PC
		651-00030	MB Block, 3.5 mL	2-B
		651-00031	Magnetic Beads, 8.5 mL	M-B
		651-00035	Tag Diluent, 40 mL	1-D
		651-00074	MB Wash Buffer 20%, 85 mL	2-W
899-00050	SomaScan Assay 7K, - 20C Single Dilution components	651-00123	SOMAmer-Bead Plate Single Dilution v4.1	--
		651-00008	100x Tag Reagent, 460 µL	1-T
		651-00009	10x Slide Block, 1.8 mL	3-B
899-00051	SomaScan Assay 7K, - 80C CSF components	650-00056	CSF Calibrator	--
		650-00057	CSF QC Sample	--
		650-00033	Blank, 140 µL	--
		651-00072	Plasma Diluent, 17 mL	D-P
899-00047	SomaScan Assay 7K, ambient components, no slides	651-00126	MB Prep Buffer, 1l mL	M-P