

## Confirm Setup

Experiment Name: 20220208-1413\_full-02  
 Instruction Level: Standard  
 GEM Check?: Yes  
 V(D)J Amplification?: No  
 qPCR Setup?: No  
 Pooling?: No  
 cDNA Cycles: 16

Sample ID	SI Plate	Target Cell #	Expression
1 a	A4	500-2000	High
2 b	B4	500-2000	High
3 c	C4	500-2000	High
4 d	D4	500-2000	High

Please review these Setup selections (experiment name, inputs, and sample information), before proceeding on to the next stage of the run.

BACK

CONFIRM

SC5'GEX &gt;

Setup &gt;

Load &gt;

Run &gt;

Complete

Gather Items

Gather Reagents &gt;

## Get Started

1. Retrieve the listed consumables:

Item	Qty
Nuclease-free Water	10 ml
Ethanol, Pure (200 Proof, anhydrous)	40 ml
Hamilton	
Comfort Lids	6
50 µl Black CO-RE Pipette Tips, with filter	2 racks
300 µl Black CO-RE Pipette Tips, with filter	3 racks
Reagent Reservoirs, 60 ml	3
Eppendorf	
Semi Skirted Plate, 96 well	1
Full Skirted Plate, 96 well	1
Thermo Fisher Scientific	
MicroAmp 8-tube strips, 0.2 ml	2
10x Genomics	
Chromium Next GEM Chip K Automated Single Cell Kit	1
<i>Partitioning Oil, 50% Glycerol, Chip K (keep sealed)</i>	

CANCEL

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SC5'GEX &gt;

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Complete

&lt; Gather Items

Gather Reagents

Prep Modules &gt;

## Get Started

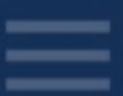
1. Retrieve the listed Chromium Next GEM Automated Single Cell 5' Kit v2 items:

Box Label, Item	Temp, Qty
Library Module 1	4°C
Library Module 1 <i>Black tube strip</i>	1 tube strip/sample
Dynabeads MyOne SILANE	1 tube/run
Library Module 2	-20°C
Library Module 2 <i>Gray tube strip</i>	1 tube strip/sample
Library Module 3	-20°C
Library Module 3 <i>White tube strip</i>	1 tube strip/sample
Poly-dT RT Primer	1 tube/run
Sample Index Plate (SI Plate)	-20°C
Dual Index Plate TT Set A	1 plate
Single Cell 5' Gel Beads v2	-80°C
Gel Bead Strip/s	1 tube/sample

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SC5'GEX &gt;

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Complete

&lt; Gather Reagents

Prep Modules

Remove Carriers &gt;

## Start Timer

1. Thaw the listed reagents for **30 min**:

### Temp, Location

37°C, Benchtop Thermal Cycler (*lid temperature 50°C*)

Library Module 1, Black tube strip  
*After 15 min, vortex & return*

### 4°C, Storage

Library Module 3, White tube strip

### Room Temperature, Off-Deck Workspace

Library Module 2, Gray tube strip

Dynabeads

Gel Beads

Poly-dT RT Primer

SI Plate

2. Process to next screen while reagents thaw.

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SC5'GEX &gt;

Setup &gt;

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Run &gt;

Complete

&lt; Prep Modules

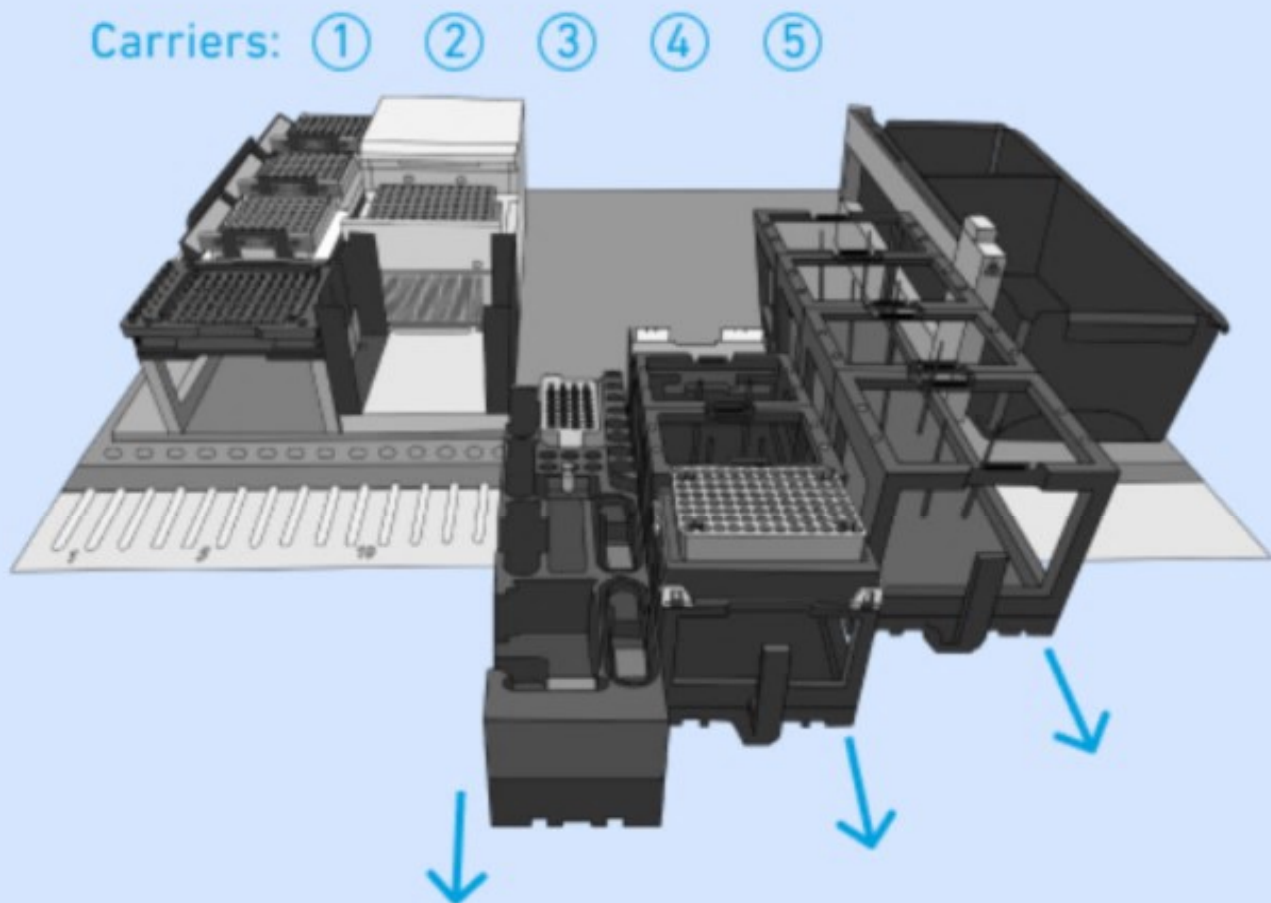
Remove Carriers

Load Consumables &gt;

## Remove Carriers From Deck

*During Reagent Thaw*

1. Open Front Panel.
2. Slide out Carriers 3, 4, and 5 from the deck completely and place on an off-deck workspace.



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SC5'GEX > Setup > **Load** > Run > Complete

< Remove Carriers

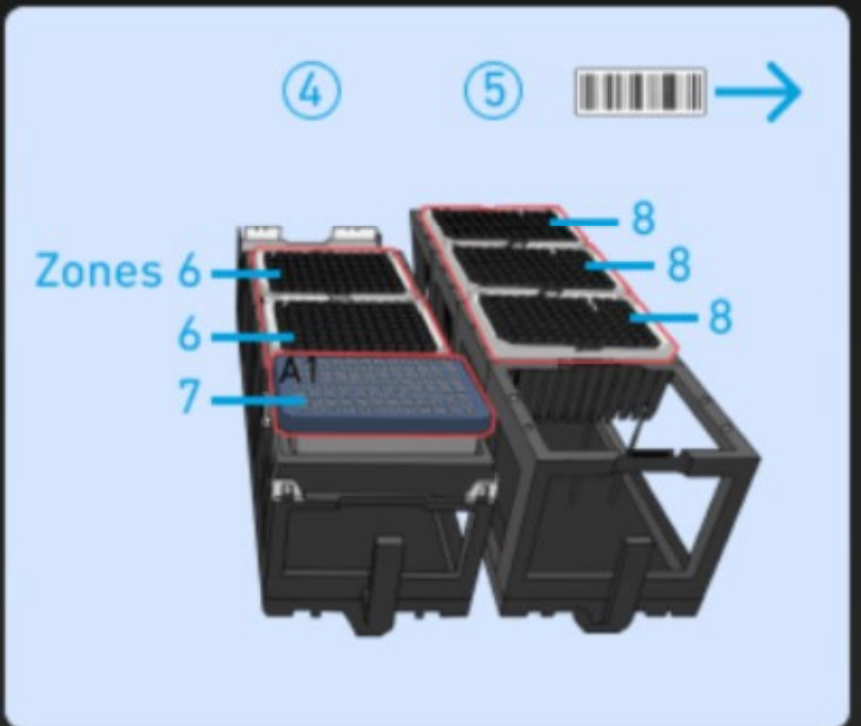
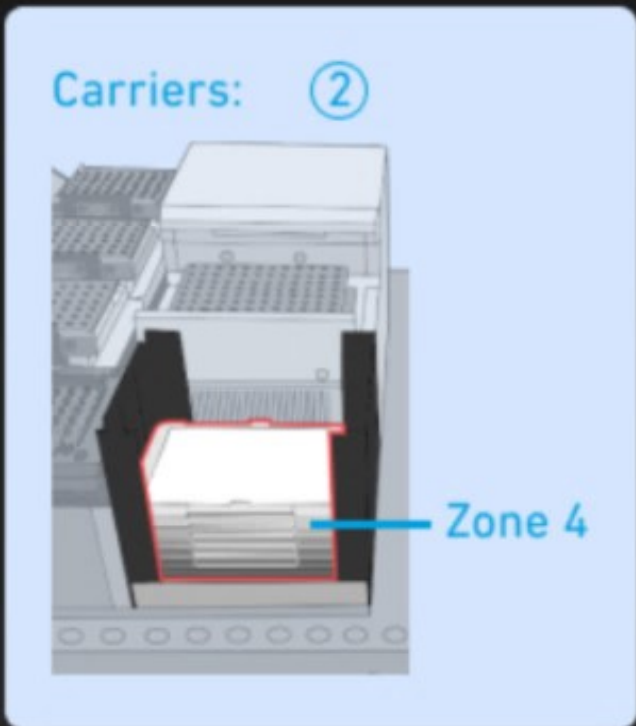
**Load Consumables**

Load SI Plate >

**Carrier Loading**  
*During Reagent Thaw*

1. Load consumables into corresponding locations in Carriers 2, 4, and 5:

Item	Qty	Location
Comfort Lids	6 ea	Zone 4
50 $\mu$ l Pipette Tips <i>Barcodes face right in carrier</i>	2 ea	Zone 6
Semi Skirted Plate <i>A1 top left</i>	1 ea	Zone 7
300 $\mu$ l Pipette Tips <i>Barcodes face right in carrier</i>	3 ea	Zone 8



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