

**1 Make and Read Quant (Optional/LIMS)**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_

WG#-DNA Plate: \_\_\_\_\_ QNT Plate: \_\_\_\_\_  
 (1) \_\_\_\_\_  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_

Standard DNA Plate: \_\_\_\_\_ Standard QNT Plate: \_\_\_\_\_  
 \_\_\_\_\_

**2 Make MSA6**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_  
 Plate Positions on Robot Bed: \_\_\_\_\_  
 Batch #: \_\_\_\_\_  
 Number of Samples: 48 / 96  
 Hyb oven (37°C, 20-24 h): Start \_\_\_\_\_ Stop \_\_\_\_\_

WG#-DNA Plate: \_\_\_\_\_  
 MSA6 Plate: \_\_\_\_\_  
 MA1 Reagent: \_\_\_\_\_  
 RPM Reagent: \_\_\_\_\_  
 MSM Reagent: \_\_\_\_\_  
*Record WG#-DNA sample IDs in table on page 3.*

**3 Fragment MSA6**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_  
 Plate Positions on Robot Bed: \_\_\_\_\_  
 Vortex at 1600 rpm  
 Heat block (37°C, 1 h): Start \_\_\_\_\_ Stop \_\_\_\_\_

FMS Reagent: \_\_\_\_\_

**4 Precip MSA6**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_  
 Plate Positions on Robot Bed: \_\_\_\_\_  
 Vortex at 1600 rpm  
 Heat block (37°C, 5m): \_\_\_\_\_  
 Incubate (4°C, 30m): Start \_\_\_\_\_ Stop: \_\_\_\_\_  
 Air dry (22°C, 1 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

2-propanol Lot #: \_\_\_\_\_  
 2-propanol Date Opened: \_\_\_\_\_  
 PM1 Reagent: \_\_\_\_\_

**5 Resuspend MSA6**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_  
 Plate Positions on Robot Bed: \_\_\_\_\_  
 Hyb oven (48°C, 1 h): Start \_\_\_\_\_ Stop \_\_\_\_\_

RA1 Reagent: \_\_\_\_\_

Project: \_\_\_\_\_  
 Batch: \_\_\_\_\_  
 MSA6 Plate: \_\_\_\_\_  
 Image Date: \_\_\_\_\_

**6 Hyb Multi BC2**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_  
 Vortex at 1800 rpm  
 Heat block (95°C, 20m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Centrifuge MSA6 plate to 280 xg  
 Hyb oven (48°C, 16-24 h): Start \_\_\_\_\_ Stop \_\_\_\_\_

PB2 Reagent: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

*Refer to page 4 for BeadChip loading instructions.  
 Enter the BeadChip barcodes in the spaces  
 provided.*

**7 Wash BeadChip**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_

PB1 Reagent: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**8 XStain LCG**

Date/Time: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_  
*Record the chamber rack position for each BeadChip on  
 page 5.*

RA1 Reagent: \_\_\_\_\_  
 LX1 Reagent: (1-8) \_\_\_\_\_  
                                   (9-16) \_\_\_\_\_  
                                   (17-24) \_\_\_\_\_  
 LX2 Reagent: (1-8) \_\_\_\_\_  
                                   (9-16) \_\_\_\_\_  
                                   (17-24) \_\_\_\_\_  
 EML Reagent: (1-8) \_\_\_\_\_  
                                   (9-16) \_\_\_\_\_  
                                   (17-24) \_\_\_\_\_  
 XC3 Reagent: \_\_\_\_\_  
 SML Reagent: (1-8) \_\_\_\_\_  
                                   (9-16) \_\_\_\_\_  
                                   (17-24) \_\_\_\_\_  
 SML Temperature: \_\_\_\_\_  
 ATM Reagent: (1-8) \_\_\_\_\_  
                                   (9-16) \_\_\_\_\_  
                                   (17-24) \_\_\_\_\_  
 PB1 Reagent: \_\_\_\_\_  
 XC4 Reagent: \_\_\_\_\_

**9 Image BeadChip**

*Record the Scanner ID and the image date for each BeadChip on page 4.*

**Record DNA Sample IDs in the MSA6 Plate**

**Columns 1–4 of Microtiter Plate**

	1	2	3	4
A				
B				
C				
D				
E				
F				
G				
H				

**Columns 5–8 of Microtiter Plate**

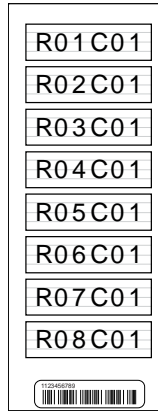
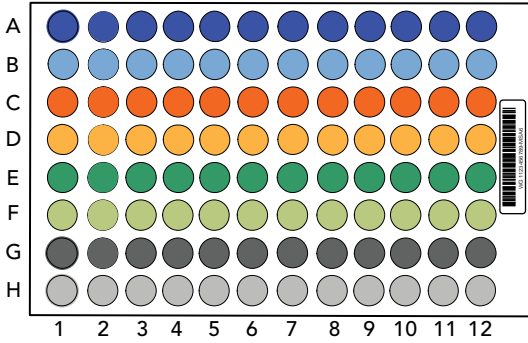
	5	6	7	8
A				
B				
C				
D				
E				
F				
G				
H				

**Columns 9–12 of Microtiter Plate**

	9	10	11	12
A				
B				
C				
D				
E				
F				
G				
H				

Track BeadChips 1-12 for the HumanOmni2.5-8 BeadChip

MSA6 Plate



Sample Section Naming Diagram

<p><b>BC2 #1</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #2</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #3</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #4</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>
<p><b>BC2 #5</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #6</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #7</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #8</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>
<p><b>BC2 #9</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #10</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #11</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>	<p><b>BC2 #12</b></p> <p>Barcode: _____</p> <p>Scanner ID: _____</p> <p>Image Date: _____</p>

### Chamber Rack Position Chart

Use this chart to enter BeadChip IDs in the appropriate chamber rack position during the XStain LCG BeadChip step.

Row 1	Row 2	Row 3
1 _____	9 _____	17 _____
2 _____	10 _____	18 _____
3 _____	11 _____	19 _____
4 _____	12 _____	20 _____
5 _____	13 _____	21 _____
6 _____	14 _____	22 _____
7 _____	15 _____	23 _____
8 _____	16 _____	24 _____