



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 MSA1

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: _____
 MSA1 Plate: _____
 MA1 Reagent: _____
 MA2 Reagent: _____
 MSM Reagent: _____
 Record WG#-DNA sample IDs in table on page 3.

3

Fragment MSA1

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 MSA1

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 MSA1

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

RA1 Reagent: _____

6

Hyb Multi BC2

Date/Time: _____
 Operator: _____ Robot: _____

PB2 Reagent: _____

Project: _____
 Batch: _____
 MSA1 Plate: _____
 Image Date: _____



- Vortex at 1800 rpm
- Heat block (95°C, 20m): Start: _____ Stop: _____
- Centrifuge MSA1 plate to 280 xg
- Hyb oven (48°C, 16-24 h): Start _____ Stop _____

Refer to pages 4–6 for BeadChip loading instructions.
Enter the BeadChip barcodes in the spaces provided.

7

Wash BeadChip

Date/Time: _____
Operator: _____ Robot: _____

PB1 Reagent: _____

8

XStain HD BeadChip

Date/Time: _____
Operator: _____ Robot: _____

Record the chamber rack position for each BeadChip on page 7.

RA1 Reagent: _____

XC1 Reagent: (1-8) _____
(9-16) _____
(17-24) _____

XC2 Reagent: (1-8) _____
(9-16) _____
(17-24) _____

TEM Reagent: (1-8) _____
(9-16) _____
(17-24) _____

XC3 Reagent: _____

STM Reagent: (1-8) _____
(9-16) _____
(17-24) _____

STM 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 pages 4–6.



Record DNA Sample IDs in the MSA1 Plate

Columns 1–4 of Microtiter Plate

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

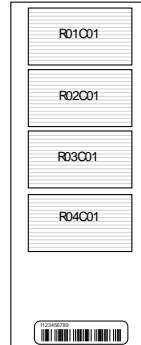
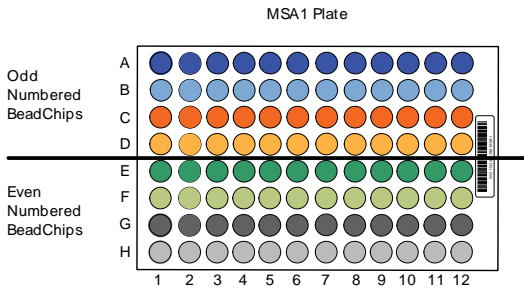
Columns 5–8 of Microtiter Plate

	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	_____	_____	_____	_____

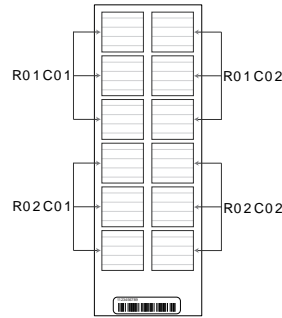
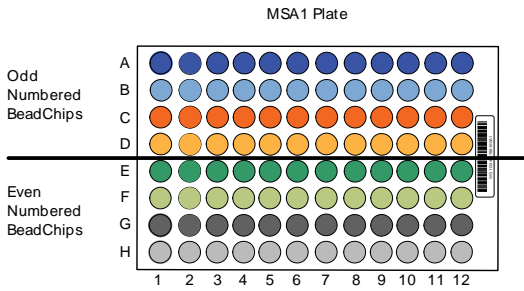
Track BeadChips 1-24 for the 4x1 HD BeadChip



Sample Section Naming Diagram

	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
Robot Setup #1	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
Robot Setup #2	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>

Track BeadChips 1-24 for the 4x3 HD BeadChip

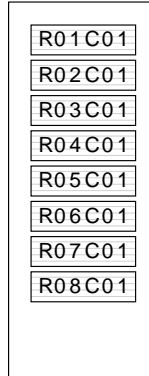
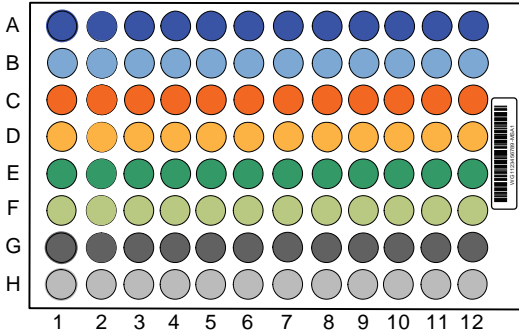


Sample Section Naming Diagram

	<p>BC2 #1</p> <p>A1 Barcode: _____ BeadArray Reader ID: _____ B1 Image Date: _____</p>	<p>BC2 #2</p> <p>E1 Barcode: _____ BeadArray Reader ID: _____ F1 Image Date: _____</p>	<p>BC2 #3</p> <p>A2 Barcode: _____ BeadArray Reader ID: _____ B2 Image Date: _____</p>	<p>BC2 #4</p> <p>E2 Barcode: _____ BeadArray Reader ID: _____ F2 Image Date: _____</p>
Robot Setup #1	<p>BC2 #5</p> <p>A3 Barcode: _____ BeadArray Reader ID: _____ B3 Image Date: _____</p>	<p>BC2 #6</p> <p>E3 Barcode: _____ BeadArray Reader ID: _____ F3 Image Date: _____</p>	<p>BC2 #7</p> <p>A4 Barcode: _____ BeadArray Reader ID: _____ B4 Image Date: _____</p>	<p>BC2 #8</p> <p>E4 Barcode: _____ BeadArray Reader ID: _____ F4 Image Date: _____</p>
	<p>BC2 #9</p> <p>A5 Barcode: _____ BeadArray Reader ID: _____ B5 Image Date: _____</p>	<p>BC2 #10</p> <p>E5 Barcode: _____ BeadArray Reader ID: _____ F5 Image Date: _____</p>	<p>BC2 #11</p> <p>A6 Barcode: _____ BeadArray Reader ID: _____ B6 Image Date: _____</p>	<p>BC2 #12</p> <p>E6 Barcode: _____ BeadArray Reader ID: _____ F6 Image Date: _____</p>
	<p>BC2 #13</p> <p>A7 Barcode: _____ BeadArray Reader ID: _____ B7 Image Date: _____</p>	<p>BC2 #14</p> <p>E7 Barcode: _____ BeadArray Reader ID: _____ F7 Image Date: _____</p>	<p>BC2 #15</p> <p>A8 Barcode: _____ BeadArray Reader ID: _____ B8 Image Date: _____</p>	<p>BC2 #16</p> <p>E8 Barcode: _____ BeadArray Reader ID: _____ F8 Image Date: _____</p>
Robot Setup #2	<p>BC2 #17</p> <p>A9 Barcode: _____ BeadArray Reader ID: _____ B9 Image Date: _____</p>	<p>BC2 #18</p> <p>E9 Barcode: _____ BeadArray Reader ID: _____ F9 Image Date: _____</p>	<p>BC2 #19</p> <p>A10 Barcode: _____ BeadArray Reader ID: _____ B10 Image Date: _____</p>	<p>BC2 #20</p> <p>E10 Barcode: _____ BeadArray Reader ID: _____ F10 Image Date: _____</p>
	<p>BC2 #21</p> <p>A11 Barcode: _____ BeadArray Reader ID: _____ B11 Image Date: _____</p>	<p>BC2 #22</p> <p>E11 Barcode: _____ BeadArray Reader ID: _____ F11 Image Date: _____</p>	<p>BC2 #23</p> <p>A12 Barcode: _____ BeadArray Reader ID: _____ B12 Image Date: _____</p>	<p>BC2 #24</p> <p>E12 Barcode: _____ BeadArray Reader ID: _____ F12 Image Date: _____</p>

Track BeadChips 1-12 for the 8x1 HD BeadChip

MSA1 Plate



Sample Section Naming Diagram

<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>
<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>	<p>Barcode: _____ Scanner ID: _____ Image Date: _____</p>



Chamber Rack Position Chart

Use this chart to enter BeadChip IDs in the appropriate chamber rack position during the XStain HD 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 _____

Release History

Revision	CO #	Originator	Description of Change
C	12952	E. Clark	Incorporated new Illumina Template for this info.