

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 MSA3

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: _____
MSA3 Plate: _____
MA1 Reagent: _____
MA2 Reagent: _____
MSM Reagent: _____
Record WG#-DNA sample IDs in table on page 3.

3

Fragment MSA3

Date/Time: _____
Operator: _____ Robot: _____
Plate Positions on Robot Bed: _____

FMS Reagent: _____
Heat block (37°C, 1 h): Start: _____ Stop: _____

Vortex at 1600 rpm

4

Precip MSA3

Date/Time: _____
Operator: _____ Robot: _____
Plate Positions on Robot Bed: _____
 Vortex at 1600 rpm
 Centrifuge to 3000 xg at 4°C for 20 min
Heat block (37°C, 5 m): Start: _____ Stop: _____
Incubate (4°C, 30 m): Start: _____ Stop: _____
Air dry (Room Temp, 1 h): Start: _____ Stop: _____

2-propanol Lot #: _____
2-propanol Date Opened: _____
PM1 Reagent: _____

5

Resuspend MSA3

Date/Time: _____
Operator: _____ Robot: _____
 Vortex at 1800 rpm
Plate Positions on Robot Bed: _____
Hyb oven (48°C, 1 h): Start: _____ Stop: _____

RA1 Reagent: _____

Project: _____
Batch: _____
MSA3 Plate: _____
Image Date: _____

6

Hyb Multi BC2

Date/Time: _____

PB2 Reagent: _____

Operator: _____ Robot: _____

Heat block (95°C, 20 m): Start: _____ Stop: _____

MSA3 plate cool-down (30 m)

*Refer to page 4 or 5 for BeadChip loading instructions.
Enter the BeadChip barcodes in the spaces provided.*

Centrifuge MSA3 plate to 280 xg

Hyb oven (48°C, 16–24 h): Start: _____ Stop: _____

7

Wash BeadChip

Date/Time: _____

PB1 Reagent: _____

Operator: _____

Hyb Chamber cool-down (25 m)

8

XStain HD BeadChip

Date/Time: _____

RA1 Reagent: _____

Operator: _____ Robot: _____

XC1 Reagent:(1–8) _____

*Record the Chamber Rack position for each BeadChip
on page 6.*

(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: _____ °C

ATM Reagent:(1–8) _____

(9–16) _____

(17–24) _____

PB1 Reagent: _____

XC4 Reagent: _____

9

Image BeadChip

*Record the BeadArray Reader or iScan Reader ID and
the image date for each BeadChip on pages 4 or 5.*

Record DNA Sample IDs in the MSA3 Plate

Columns 1–4 of Microtiter Plate

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

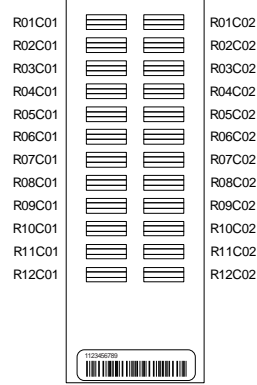
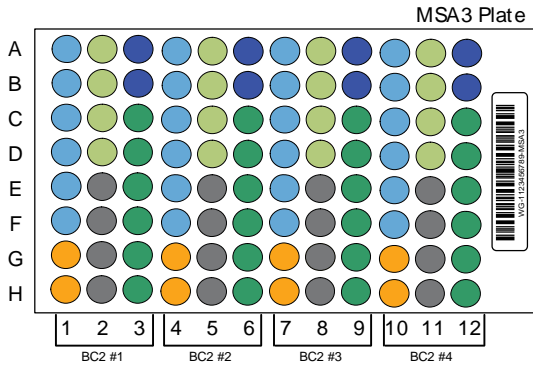
Columns 5–8 of Microtiter Plate

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

Columns 9–12 of Microtiter Plate

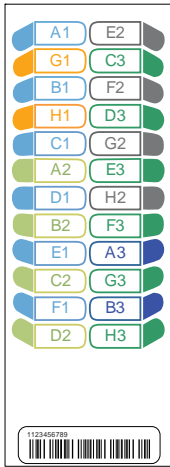
	9	10	11	12
A	_____	_____	_____	_____
B	_____	_____	_____	_____
C	_____	_____	_____	_____
D	_____	_____	_____	_____
E	_____	_____	_____	_____
F	_____	_____	_____	_____
G	_____	_____	_____	_____
H	_____	_____	_____	_____

Track BeadChips 1-4 for the 24x1 HD BeadChip



Sample Section Naming Diagram

BC2 #1

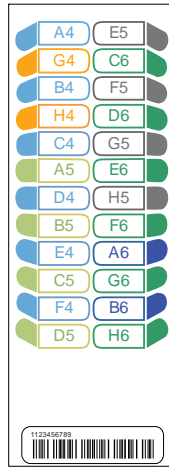


Barcode: _____

Scanner ID: _____

Image Date: _____

BC2 #2

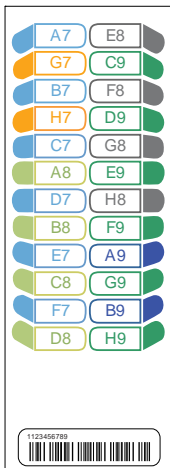


Barcode: _____

Scanner ID: _____

Image Date: _____

BC2 #3

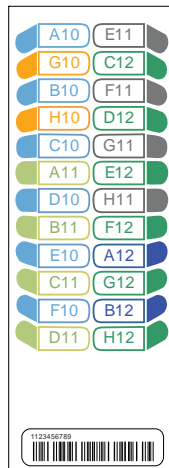


Barcode: _____

Scanner ID: _____

Image Date: _____

BC2 #4

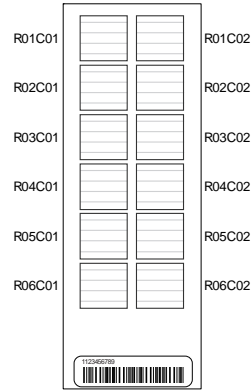
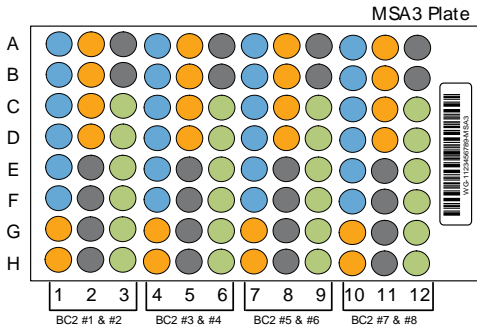


Barcode: _____

Scanner ID: _____

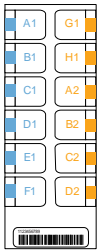
Image Date: _____

Track BeadChips 1-8 for the 12x1 HD BeadChip



Sample Section Naming Diagram

BC2 #1



Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #5



Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #2



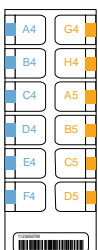
Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #6



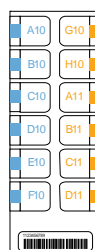
Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #3



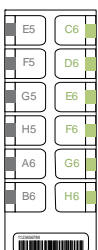
Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #7



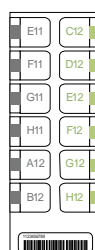
Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #4



Barcode: _____
Scanner ID: _____
Image Date: _____

BC2 #8



Barcode: _____
Scanner ID: _____
Image Date: _____

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 _____