

Project: \_\_\_\_\_ Batch: \_\_\_\_\_ Image Date: \_\_\_\_\_

# 1 Quant DNA (Optional/LIMS) (Pre-Amp)

Date/Time: \_\_\_\_\_ BCD Plate: \_\_\_\_\_ QDNA Plate: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_ (1) \_\_\_\_\_  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_  
 Standard BCD Plate: \_\_\_\_\_ Standard QDNA Plate: \_\_\_\_\_  
 \_\_\_\_\_

# 2 Make MSA4 (Pre-Amp)

Date/Time: \_\_\_\_\_ WG#-BCD Plate: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_ MSA4 Plate: \_\_\_\_\_  
 Plate Positions on Robot Bed: \_\_\_\_\_ MA1 Reagent: \_\_\_\_\_  
 Batch #: \_\_\_\_\_ RPM Reagent: \_\_\_\_\_  
 Number of Samples: 48 / 96 MSM Reagent: \_\_\_\_\_  
 Hyb Oven (37°C, 20–24 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_ *Record WG#-BCD sample IDs in table on page 4.*

# 3 Fragment MSA4 (Post-Amp)

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

# 4 Precip MSA4 (Post-Amp)

Date/Time: \_\_\_\_\_ 2-propanol Lot #: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Robot: \_\_\_\_\_ 2-propanol Date Opened: \_\_\_\_\_  
 Plate Positions on Robot Bed: \_\_\_\_\_ PM1 Reagent: \_\_\_\_\_  
 Vortex at 1600 rpm  
 Heat block (37°C, 5 m): \_\_\_\_\_  
 Incubate (4°C, 30 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Centrifuge 3000 xg (4°C, 20 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Air dry (22°C, 1 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

Project: \_\_\_\_\_ Batch: \_\_\_\_\_ MSA4 Plate: \_\_\_\_\_ Image Date: \_\_\_\_\_

## 5 Resuspend MSA4 (Post-Amp)

Date/Time: \_\_\_\_\_ RA1 Reagent: \_\_\_\_\_

Operator: \_\_\_\_\_ Robot: \_\_\_\_\_

Plate Positions on Robot Bed: \_\_\_\_\_

Hyb Oven (48°C, 1 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

## 6 Hyb Multi BeadChip (Post-Amp)

Date/Time: \_\_\_\_\_ PB2 Reagent: \_\_\_\_\_

Operator: \_\_\_\_\_ Robot: \_\_\_\_\_ *Refer to pages 5 and 6 for BeadChip loading instructions.*

Vortex at 1800 rpm *Enter the BeadChip barcodes in the spaces provided.*

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

Hyb Oven (48°C, 16–24 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

## 7 Wash BeadChip (Post-Amp)

Date/Time: \_\_\_\_\_ PB1 Reagent: \_\_\_\_\_

Operator: \_\_\_\_\_

## 8 XStain BeadChip (Post-Amp)

Date/Time: \_\_\_\_\_ RA1 Reagent: \_\_\_\_\_

Operator: \_\_\_\_\_ Robot: \_\_\_\_\_ XC3 Reagent: \_\_\_\_\_

*Record the Chamber Rack position for each BeadChip on page 4.*

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

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

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

STM Temperature: \_\_\_\_\_ °C

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

ATM Reagent: (1-8) \_\_\_\_\_  
(9-16) \_\_\_\_\_  
(17-24) \_\_\_\_\_

XC4 Reagent: \_\_\_\_\_

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

## 9 Image BeadChip (Post-Amp)

*Record the iScan™ System HiScan™ System ID and the image date for each BeadChip on page 5 or 6.*

Record DNA Sample IDs in the MSA4 Plate

Columns 1–4 of Microtiter Plate

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

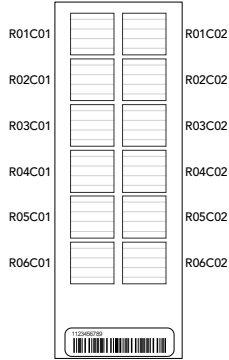
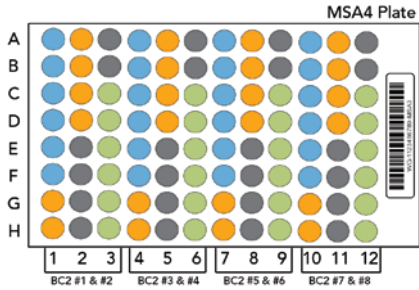
Columns 5–8 of Microtiter Plate

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

Columns 9–12 of Microtiter Plate

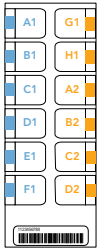
	9	10	11	12
A	_____	_____	_____	_____
B	_____	_____	_____	_____
C	_____	_____	_____	_____
D	_____	_____	_____	_____
E	_____	_____	_____	_____
F	_____	_____	_____	_____
G	_____	_____	_____	_____
H	_____	_____	_____	_____

Track BeadChip Information



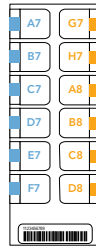
Sample Section Naming Diagram

BC2 #1



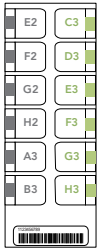
Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #5



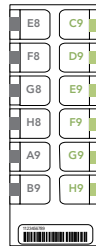
Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #2



Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #6



Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #3



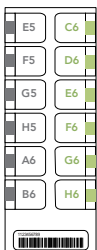
Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #7



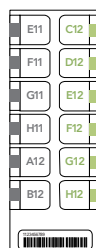
Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #4



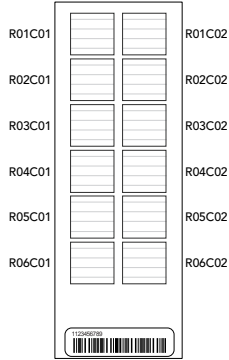
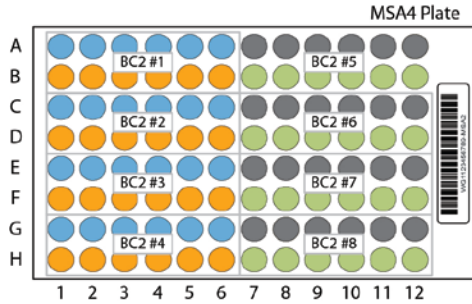
Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

BC2 #8



Barcode: \_\_\_\_\_  
Scanner ID: \_\_\_\_\_  
Image Date: \_\_\_\_\_

Track BeadChip Information (Alternate Loading Method)



Sample Section Naming Diagram

**BC2 #1**

A1	B1
A2	B2
A3	B3
A4	B4
A5	B5
A6	B6

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #5**

A7	B7
A8	B8
A9	B9
A10	B10
A11	B11
A12	B12

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #2**

C1	D1
C2	D2
C3	D3
C4	D4
C5	D5
C6	D6

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #6**

C7	D7
C8	D8
C9	D9
C10	D10
C11	D11
C12	D12

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #3**

E1	F1
E2	F2
E3	F3
E4	F4
E5	F5
E6	F6

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #7**

E7	F7
E8	F8
E9	F9
E10	F10
E11	F11
E12	F12

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #4**

G1	H1
G2	H2
G3	H3
G4	H4
G5	H5
G6	H6

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_

**BC2 #8**

G7	H7
G8	H8
G9	H9
G10	H10
G11	H11
G12	H12

Barcode: \_\_\_\_\_

Scanner ID: \_\_\_\_\_

Image Date: \_\_\_\_\_