

1

Quantitate RNA (Optional)

Date/Time: \_\_\_\_\_ Sample RNA Plate: \_\_\_\_\_  
Operator: \_\_\_\_\_ Sample QRNA Plate: \_\_\_\_\_

2

Pre-Qualify cDNA (Optional)

Date/Time: \_\_\_\_\_ Sample RNA Plate: \_\_\_\_\_  
Operator: \_\_\_\_\_ MCS4 Reagent (from cDNA Synthesis Kit): \_\_\_\_\_  
 Mix MCS4 and RTE \_\_\_\_\_  
 Vortex SUR Plate RTE Reagent (from cDNA Synthesis Kit): \_\_\_\_\_  
 Pulse Centrifuge SUR Plate \_\_\_\_\_  
 Incubate SUR Plate: (RT, 10–60 m) Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Heat block (42°C, 60 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Pulse Centrifuge SUR Plate \_\_\_\_\_  
Thermal Cycler: \_\_\_\_\_ Thermal Cycle Program Name: \_\_\_\_\_  
Start: \_\_\_\_\_ Stop: \_\_\_\_\_

3

Make SUR

Date/Time: \_\_\_\_\_ RNA Plate (Optional): \_\_\_\_\_  
Operator: \_\_\_\_\_ SUR Plate: \_\_\_\_\_  
 Mix MCS4 and RTE MCS4 Reagent: \_\_\_\_\_  
 Vortex SUR Plate RTE Reagent: \_\_\_\_\_  
 Pulse Centrifuge SUR Plate Name of sample sheet: \_\_\_\_\_  
 Incubate SUR Plate: (RT, 10–60 m) Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Heat block (42°C, 60 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Pulse Centrifuge SUR Plate \_\_\_\_\_

4

Make ASE

Date/Time: \_\_\_\_\_ ASP Plate: \_\_\_\_\_  
Operator: \_\_\_\_\_ OB1 Reagent: \_\_\_\_\_  
 Vortex DAP  Pulse Centrifuge DAP DAP Reagent: \_\_\_\_\_  
 Vortex OB1 \_\_\_\_\_  
 Pulse Centrifuge ASE Plate  Vortex ASE Plate \_\_\_\_\_  
Heat block (70°C to 30°C, 14–20 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

Project: \_\_\_\_\_

Batch: \_\_\_\_\_

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

**5** Add MEL

Date/Time: \_\_\_\_\_

ASE Plate: \_\_\_\_\_

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

AM1 Reagent: \_\_\_\_\_

 Pulse Centrifuge ASE Plate

UB1 Reagent: \_\_\_\_\_

  AM1 Wash      UB1 Wash

MEL Reagent: \_\_\_\_\_

 Vortex ASE Plate

Heat block (45°C, 15 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

**6** Make PCR

Date/Time: \_\_\_\_\_

PCR Plate: \_\_\_\_\_

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

SCM Reagent: \_\_\_\_\_

 Pulse Centrifuge PCR Plate Add Recommended DNA Polymerase Add Uracil DNA Glycosylase (UDG)**7** Inco PCR

Date/Time: \_\_\_\_\_

ASE Plate: \_\_\_\_\_

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

PCR Plate: \_\_\_\_\_

 Vortex PCR Plate

IP1 Reagent: \_\_\_\_\_

Heat block (95°C, 1 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

UB1 Reagent: \_\_\_\_\_

**8** Cycle PCR

Date/Time: \_\_\_\_\_

PCR Plate: \_\_\_\_\_

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

Thermal Cycler: \_\_\_\_\_

Thermal Cycle Program Name:

Start: \_\_\_\_\_ Stop: \_\_\_\_\_

**9** Bind PCR

Date/Time: \_\_\_\_\_

PCR Plate: \_\_\_\_\_

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

Filter Plate: \_\_\_\_\_

Incubate in light-protected drawer (22°C, 60 m):

MPB Reagent: \_\_\_\_\_

Start: \_\_\_\_\_ Stop: \_\_\_\_\_

## 10 Make INT

Date/Time: \_\_\_\_\_ INT Plate: \_\_\_\_\_  
 Operator: \_\_\_\_\_ UB2 Reagent: \_\_\_\_\_  
 Centrifuge Filter Plate (25°C, 1000 xg, 5 m):  
  With Waste Plate     With INT Plate  
 MH1 Reagent: \_\_\_\_\_  
 NaOH Lot #: \_\_\_\_\_

## 11 Precipitate and Wash INT Plate

Date/Time: \_\_\_\_\_ INT Plate: \_\_\_\_\_  
 Operator: \_\_\_\_\_ PS1 Reagent: \_\_\_\_\_  
 Vortex PS1  
 Centrifuge INT Plate (2° to 8°C, 3000 xg, 20 m):  
 Start: \_\_\_\_\_ Stop: \_\_\_\_\_ 2-propanol Lot #: \_\_\_\_\_  
 Wash and Centrifuge INT Plate (2° to 8°C, 3000 xg, 10 m):  
 Start: \_\_\_\_\_ Stop: \_\_\_\_\_ 70% EtOH Lot #: \_\_\_\_\_  
 Dry INT Plate (65°C, 5 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_ MH1 Reagent: \_\_\_\_\_  
 Resuspend INT Plate HYB Reagent: \_\_\_\_\_

## 12 Hyb BeadChip

Date/Time: \_\_\_\_\_ HCB Reagent: \_\_\_\_\_  
 Operator: \_\_\_\_\_ BeadChip: \_\_\_\_\_  
 Hyb Oven (58°C, 14-20 h): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

## 13 Wash BeadChip

Date/Time: \_\_\_\_\_ E1BC Reagent: \_\_\_\_\_  
 Operator: \_\_\_\_\_ HTW Reagent: \_\_\_\_\_  
 HTW Wash (55°C, 10 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_ EtOH Lot #: \_\_\_\_\_  
 E1BC Wash (RT, 5 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_ PB1 Reagent: \_\_\_\_\_  
 EtOH Wash (RT, 10 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_ XC4 Reagent: \_\_\_\_\_  
 PB1 Wash (RT, 5 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 XC4 Wash (RT, 5 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_  
 Vacuum Dry (RT, 40 - 50 m): Start: \_\_\_\_\_ Stop: \_\_\_\_\_

## 14 Image BeadChip

Date/Time: \_\_\_\_\_ HiScan System ID: \_\_\_\_\_  
 Operator: \_\_\_\_\_ iScan System ID: \_\_\_\_\_  
 Imaging Start: \_\_\_\_\_ Stop: \_\_\_\_\_ BeadArray™ Reader ID: \_\_\_\_\_

Twelve Sample BeadChip

Indicate sample placements below:

A \_\_\_\_\_  
B \_\_\_\_\_  
C \_\_\_\_\_  
D \_\_\_\_\_  
E \_\_\_\_\_  
F \_\_\_\_\_  
G \_\_\_\_\_  
H \_\_\_\_\_  
I \_\_\_\_\_  
J \_\_\_\_\_  
K \_\_\_\_\_  
L \_\_\_\_\_  
Barcode \_\_\_\_\_

A  
B  
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D  
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K  
L  
BARCODE

A \_\_\_\_\_  
B \_\_\_\_\_  
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E \_\_\_\_\_  
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G \_\_\_\_\_  
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I \_\_\_\_\_  
J \_\_\_\_\_  
K \_\_\_\_\_  
L \_\_\_\_\_  
Barcode \_\_\_\_\_

A  
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BARCODE