# 1 Quantitate DNA (Optional)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |

## WG#-DNA Plate

|  |  |
| --- | --- |
| Plate 1 ID |  |
| Plate 2 ID |  |
| Plate 3 ID |  |

## Standard DNA Plate

|  |  |
| --- | --- |
| Plate ID |  |

## QNT Plate

|  |  |
| --- | --- |
| Plate 1 ID |  |
| Plate 2 ID |  |
| Plate 3 ID |  |

|  |
| --- |
| Comments |
|  |

# 2 Amplify DNA (Pre-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |
| Plate Position on Robot Bed |  |

## Batch Information

|  |  |
| --- | --- |
| Batch Number |  |
| Number of Samples |  |

## Plates

|  |  |
| --- | --- |
| WG#-DNA Plate ID |  |
| MSA3 Plate ID |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| MA1 |  |
| MA2 |  |
| MSM |  |
| 0.1N NaOH |  |

## Vortex plate at 1600 rpm for 1 minute.

## Centrifuge plate to 280 × g at 22°C for 1 minute.

## Centrifuge plate to 280 × g at 22°C for 1 minute.

|  |
| --- |
| Comments |
|  |

## WG#-DNA Sample IDs

Columns 1 - 4 of the Microtiter Plate

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

Columns 5 - 8 of the Microtiter Plate

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

Columns 9 - 12 of the Microtiter Plate

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

# 3 Incubate DNA (Post-Amp)

## Incubate in Hyb Oven for 20-24 Hours at 37°C.

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

# 4 Fragment DNA (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |
| Plate Position on Robot Bed |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| FMS |  |

## Centrifuge tubes to 280 × g.

## Centrifuge plate to 50 × g for 1 minute.

## Vortex plate at 1600 rpm for 1 minute.

## Centrifuge plate to 50 × g for 1 minute.

## Heat Block at 37°C for One Hour

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

|  |
| --- |
| Comments |
|  |

# 5 Precipitate DNA (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |
| Plate Position on Robot Bed |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| PM1 |  |
| 100% 2 Propanol |  |
| 100% 2 Propanol Date Opened |  |

## Centrifuge plate to 280 × g for 1 minute.

## Vortex plate at 1600 rpm for 1 minute.

## Incubate at 37°C for 5 minutes.

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

## Centrifuge plate to 50 × g for 1 minute.

## Incubate at 4°C for 30 minutes.

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

## Centrifuge plate to 3000 × g at 4°C for 20 minute.

## Air Dry at 22°C for 1 Hour

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

|  |
| --- |
| Comments |
|  |

# 6 Resuspend DNA (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |
| Plate Position on Robot Bed |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| RA1 |  |

## Vortex plate at 1800 rpm for 1 minute.

## Centrifuge plate to 280 × g.

|  |
| --- |
| Comments |
|  |

# 7 Hybridize DNA (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| PB2 |  |

## Heat Block at 95°C for 20 minutes

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

## MSA3 plate cool down for 30 minutes at room temperature

## Centrifuge MSA3 plate to 280 × g

## Robot Information

|  |  |
| --- | --- |
| Plate Position on Robot Bed |  |

|  |  |
| --- | --- |
| BeadChip 1 Serial Number and Position |  |
| BeadChip 2 Serial Number and Position |  |
| BeadChip 3 Serial Number and Position |  |
| BeadChip 4 Serial Number and Position |  |

## Centrifuge MSA3 plate to 280 × g.

## Hyb Oven Incubation at 48°C for 16 to 24 hours

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

|  |
| --- |
| Comments |
|  |

|  |  |  |
| --- | --- | --- |
| Track BeadChips 1-4 for the 24x1 HTS BeadChip  Adjustable Spacer Multi-Channel Pipette |  | Sample Section Naming Diagram |
|  | | |

# 8 Wash BeadChip (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| PB1 |  |

|  |
| --- |
| Comments |
|  |

# 9 Extend and Stain (XStain) BeadChip (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Date |  |
| Time |  |
| Operator |  |

## Robot Information

|  |  |
| --- | --- |
| Robot ID |  |

## Reagent Lot Numbers and Bar Codes

|  |  |
| --- | --- |
| RA1 |  |
| LX1 |  |
| LX2 |  |
| EML |  |
| XC3 |  |
| SML |  |
| SML Temperature |  |
| ATM |  |
| PB1 |  |
| XC4 |  |
| Alconox Powder Detergent |  |
| EtOH |  |
| EtOH Date Opened |  |
| 95% formamide/1mM EDTA |  |

## Dry in Desiccator > 675 mm Hg (0.9 bar) for 50-55 minutes

|  |  |
| --- | --- |
| Start Time |  |
| Stop Time |  |

|  |
| --- |
| Comments |
|  |

# 10 Image BeadChip (Post-Amp)

## Run Information

|  |  |
| --- | --- |
| Operator |  |

## BeadChip 1

|  |  |
| --- | --- |
| Barcode Number |  |
| Scanner ID |  |
| Image Date |  |

## BeadChip 2

|  |  |
| --- | --- |
| Barcode Number |  |
| Scanner ID |  |
| Image Date |  |

## BeadChip 3

|  |  |
| --- | --- |
| Barcode Number |  |
| Scanner ID |  |
| Image Date |  |

## BeadChip 4

|  |  |
| --- | --- |
| Barcode Number |  |
| Scanner ID |  |
| Image Date |  |

|  |
| --- |
| Comments |
|  |