

DNA Prep

MAKE QDNA

W A S H	96 MIDI STD DNA	96 MIDI OR TCY GS#-DNA	96 FBLK GS#-QDNA		
	BARCODE _____	BARCODE _____	BARCODE _____		
	96 FBLK STD QDNA	96 MIDI OR TCY GS#-DNA	96 FBLK GS#-QDNA		
	BARCODE _____	BARCODE _____	BARCODE _____		
	A PicoGreen	96 MIDI OR TCY GS#-DNA	96 FBLK GS#-QDNA		
	BARCODE _____	BARCODE _____	BARCODE _____		

Operator _____
 Robot _____
 Date _____

 Comments _____

Spin QDNA and Standard DNA plates to 280 xg for 1 minute

READ QDNA

GS#-QDNA Barcode _____	Operator _____
GS#-QDNA Barcode _____	Date _____
GS#-QDNA Barcode _____	_____

	Comments _____

DNA Activation

MAKE SUD

WASH	96 MIDI OR TCY GS#-DNA	96 TCY SUD		
	BARCODE	BARCODE		
	96 MIDI OR TCY GS#-DNA	96 TCY SUD		
	BARCODE	BARCODE		
96 MIDI OR TCY GS#-DNA	96 TCY SUD			
BARCODE	BARCODE			
96 MIDI OR TCY GS#-DNA	96 TCY SUD			
BARCODE	BARCODE			

Operator _____
 Robot _____
 Date _____

 Comments _____

[] Incubate SUD (GTS LIMS)

MS1 Barcode

MS1 Barcode

MS1 Barcode

PRECIP SUD

WASH	A	96 TCY SUD		
		BARCODE		
	B	96 TCY SUD		
		BARCODE		
		96 TCY SUD		
		BARCODE		

Operator _____
 Robot _____
 Date _____

 Comments _____

[] Spin SUD (GTS LIMS)

A
PS1 Barcode

B
2-Propanol Lot

RESUSPEND SUD

WASH	A	96 TCY SUD		
		BARCODE		
		96 TCY SUD		
		BARCODE		
		96 TCY SUD		
		BARCODE		

Operator _____
 Robot _____
 Date _____

 Comments _____

A
RS1 Barcode

DNA Activation

MAKE SUD BATCH*

WASH	96 TCY SUD BARCODE _____		96 MIDI OR TCY GS#-DNA BARCODE _____		
			96 MIDI OR TCY GS#-DNA BARCODE _____		
			96 MIDI OR TCY GS#-DNA BARCODE _____		

Operator _____
 Robot _____
 Date _____

 Comments _____

- Attach printed Make SUD Batch file
- Incubate SUD (GTS LIMS)

MS1 Barcode _____

* A SUD Batch plate can use DNA from up to 96 GS#-DNA plates

PRECIP SUD

WASH	A	96 TCY SUD BARCODE _____			
	B	96 TCY SUD BARCODE _____			
		96 TCY SUD BARCODE _____			

Operator _____
 Robot _____
 Date _____

 Comments _____

- Spin SUD (GTS LIMS)

A _____ PS1 Barcode
 B _____ 2-Propanol Lot

RESUSPEND SUD

WASH	A	96 TCY SUD BARCODE _____			
		96 TCY SUD BARCODE _____			
		96 TCY SUD BARCODE _____			

Operator _____
 Robot _____
 Date _____

 Comments _____

A _____ RS1 Barcode

DNA Activation

MAKE MUD

WASH	96 MIDI OR TCY GS#-DNA BARCODE _____		96 TCY MUD BARCODE _____		
	96 MIDI OR TCY GS#-DNA BARCODE _____		96 TCY MUD BARCODE _____		
	96 MIDI OR TCY GS#-DNA BARCODE _____		96 TCY MUD BARCODE _____		

Operator _____
Robot _____
Date _____

Comments _____

[] Incubate MUD (GTS LIMS) MM1 Barcode MM1 Barcode MM1 Barcode

PRECIP MUD

WASH	A	96 MIDI MUN BARCODE _____	96 TCY MUD BARCODE _____		
	B	96 MIDI MUN BARCODE _____	96 TCY MUD BARCODE _____		
		96 MIDI MUN BARCODE _____	96 TCY MUD BARCODE _____		

Operator _____
Robot _____
Date _____

Comments _____

[] Spin MUN (GTS LIMS) A PS1 Barcode B 2-Propanol Lot

RESUSPEND MUN

WASH	A	96 MIDI MUN BARCODE _____			
		96 MIDI MUN BARCODE _____			
		96 MIDI MUN BARCODE _____			

Operator _____
Robot _____
Date _____

Comments _____

A RS1 Barcode

Allele-Specific Extension

MAKE SUD ASE

WASH		96 TCY SUD _____ BARCODE		96 TCY ASE _____ BARCODE		
		96 TCY SUD _____ BARCODE		96 TCY ASE _____ BARCODE		
		96 TCY SUD _____ BARCODE		96 TCY ASE _____ BARCODE		

Operator _____

Robot _____

Date _____

Comments _____

- Hyb Oven Program 1
or
- 70°C Heat Block Reset to 30°C
- Hyb ASE (GTS LIMS, all users)

OPA Barcode _____

OPA Barcode _____

OPA Barcode _____

OB1 Barcode _____

OB1 Barcode _____

OB1 Barcode _____

MAKE SUD ASE BATCH*

WASH		96 TCY ASE _____ BARCODE	96 TCY SUD _____ BARCODE			

Operator _____

Robot _____

Date _____

Comments _____

- Hyb Oven Program 1
or
- 70°C Heat Block Reset to 30°C
- Hyb ASE (GTS LIMS, all users)

OB1 Barcode _____

- Attach printed Make SUD Batch file
(lists OPA barcodes)
- * A SUD ASE Batch plate can
use up to 75 OPAs

Allele-Specific Extension

MAKE MUN ASE

	<div style="border: 1px solid black; padding: 5px;"> 96 MIDI MUN BARCODE _____ </div>		<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>		
	<div style="border: 1px solid black; padding: 5px;"> 96 MIDI MUN BARCODE _____ </div>		<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>		
	<div style="border: 1px solid black; padding: 5px;"> 96 MIDI MUN BARCODE _____ </div>		<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>		

Operator _____
 Robot _____
 Date _____

 Comments _____

- Hyb Oven Program 1
 or
 70°C Heat Block Reset to 30°C
 Hyb ASE (GTS LIMS, all users)

_____ OPA Barcode
 _____ OPA Barcode
 _____ OPA Barcode
 _____ OB1 Barcode
 _____ OB1 Barcode
 _____ OB1 Barcode

MAKE MUN ASE BATCH*

	<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>	<div style="border: 1px solid black; padding: 5px;"> 96 MIDI MUN BARCODE _____ </div>			
		<div style="border: 1px solid black; padding: 5px;"> 96 MIDI MUN BARCODE _____ </div>			
		<div style="border: 1px solid black; padding: 5px;"> 96 MIDI MUN BARCODE _____ </div>			

Operator _____
 Robot _____
 Date _____

 Comments _____

- Hyb Oven Program 1
 or
 70°C Heat Block Reset to 30°C
 Hyb ASE (GTS LIMS, all users)

_____ OB1 Barcode
 Attach printed Make MUN ASE Batch file
 * A MUN ASE Batch plate can use up to 75 OPAs
 and up to 96 MUN plates

MAKE MULTI-OPA MUN ASE*

W A S H	●	●	●	●	96 MIDI MUN _____ BARCODE		96 TCY ASE _____ BARCODE		
	●	●	●	●			96 TCY ASE _____ BARCODE		
	●	●	●	●			96 TCY ASE _____ BARCODE		

Operator _____

Robot _____

Date _____

Comments _____

- Hyb Oven Program 1
or
- 70°C Heat Block Reset to 30°C
- Hyb ASE (GTS LIMS, all users)

_____	_____	_____
OPA Barcode	OPA Barcode	OPA Barcode
_____	_____	_____
OPA Barcode	OPA Barcode	OPA Barcode
_____	_____	_____
OPA Barcode	OPA Barcode	OPA Barcode
_____	_____	_____
OPA Barcode	OPA Barcode	OPA Barcode
_____	_____	_____
OPA Barcode	OPA Barcode	OPA Barcode
_____	_____	_____
OB1 Barcode	OB1 Barcode	OB1 Barcode

* A Multi-OPA MUN ASE plate can use up to 3 ASE plates and up to 6 OPAs per plate

PCR and Hybridization

ADD MEL

WASH		96 TCY ASE BARCODE _____			
		96 TCY ASE BARCODE _____			
		96 TCY ASE BARCODE _____			

Operator _____
 Robot _____
 Date _____

 Comments _____

Incubate ASE (GTS LIMS)

MEL Barcode _____ MEL Barcode _____ MEL Barcode _____
 AM1 Barcode _____ UB1 Barcode _____

MAKE PCR

WASH			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____

Operator _____
 Robot _____
 Date _____

 Comments _____

Add Enzyme and UDG (GTS LIMS)

MMP Barcode _____ MMP Barcode _____ MMP Barcode _____
 MMP Barcode _____ MMP Barcode _____ MMP Barcode _____
 MMP Barcode _____ MMP Barcode _____ MMP Barcode _____

INOC PCR

WASH		96 TCY ASE BARCODE _____	96 TCY PCR BARCODE _____		
		96 TCY ASE BARCODE _____	96 TCY PCR BARCODE _____		
		96 TCY ASE BARCODE _____	96 TCY PCR BARCODE _____		

Operator _____
 Robot _____
 Date _____

 Comments _____

Cycle PCR

IP1 Barcode _____ IP1 Barcode _____ IP1 Barcode _____ UB1 Barcode _____

Post-PCR

BIND PCR

			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____		Operator _____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____		Robot _____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____		Date _____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____		_____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____		_____
			96 TCY PCR BARCODE _____	96 TCY PCR BARCODE _____		Comments _____

[] Incubate PCR (GTS LIMS)

MPB Barcode _____ MPB Barcode _____ MPB Barcode _____ Sec-Butanol Lot _____
 MPB Barcode _____ MPB Barcode _____ MPB Barcode _____
 MPB Barcode _____ MPB Barcode _____ MPB Barcode _____

MAKE HYB

		96 TCY PCR BARCODE _____		96 TCY INT BARCODE _____	384 FCLR HYB BARCODE _____	Operator _____
		96 TCY PCR BARCODE _____		96 TCY INT BARCODE _____	384 FCLR HYB BARCODE _____	Robot _____
		96 TCY PCR BARCODE _____		96 TCY INT BARCODE _____	384 FCLR HYB BARCODE _____	Date _____
		96 TCY PCR BARCODE _____		96 TCY INT BARCODE _____	384 FCLR HYB BARCODE _____	_____
		96 TCY PCR BARCODE _____		96 TCY INT BARCODE _____	384 FCLR HYB BARCODE _____	_____
		96 TCY PCR BARCODE _____		96 TCY INT BARCODE _____	384 FCLR HYB BARCODE _____	Comments _____

MH1 Barcode _____ MH1 Barcode _____ MH1 Barcode _____
 UB2 Barcode _____ 0.1N NaOH Lot _____

HYB SAM (ACCESSION, HYB, WASH, IMAGE)

HYB Barcode	SAM Barcode	HYB-SAM Time	BeadArray™ Reader ID	Scan Date/Time	Comments
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

[] Accession SAM _____ [] Hyb SAM _____
 [] PreWash SAM (GTS LIMS) UB2 Barcode _____ [] SAM HYB Wash (GTS LIMS) UB2 Barcode _____
 Hyb Oven ID _____ IS1 Barcode _____ Operator _____
 Date _____