Case Number: _____

Scientist: _____

Date: _____

Reagent	Amount	Lot#	Source
Chelex Method			
Ultra-Pure Water	1.0 ml	082410MR	DFS
Chelex ®- 100	200.0 µl	210006730	BioRad
Organic Method			
Extraction Buffer	400.0 µl	021411MR	DFS
Proteinase K	10.0 µl	021411MR	DFS
PCIAA (25-24-1)	400.0 µl	1007005	Ambion
η-Butanol	400.0 µl	082623	Fisher
Microcon®-30		R8HN90328	Millipore
TE Buffer	(2x) 400.0 µl	032811MR	DFS
TE Buffer	100.0 µl	032811MR	DFS

Number	Specimen Description	Amount Extracted

Starting Temp Ending Temp

Heat Block:_____

Case Number: _____

Scientist: _____

Date: _____

Reagent	Amount	Lot#	Source
Extraction Buffer	400.0 µl	021411MR	DFS
Proteinase K	10.0 µl	021411MR	DFS
PCIAA (25-24-1)	400.0 µl	1007005	Ambion
η-Butanol	400.0 µl	082623	Fisher
Microcon®-30		R8HN90328	Millipore
TE Buffer	(2x) 400.0 µl	032811MR	DFS
TE Buffer	100.0 µl	032811MR	DFS

Number	Specimen Description	Amount Extracted

Starting Temp Ending Temp

Heat Block:_____

Case Number: _____

Scientist: _____

Date: _____

Reagent	Amount	Lot#	Source
5% Terg-a-zyme	1.0 ml	G1E1	Alconox
Ethanol	1.0 ml	RG0232	AAPER
Ultra-Pure Water	1.0 ml	082410MR	DFS
Extraction Buffer	130.0 / 57.0 µl	021411MR	DFS
Dithiothreitol (1M)	8.0 µl	021411MR	DFS
Proteinase K	5.0 µl	021411MR	DFS
PCIAA (25-24-1)	200.0 µl	1007005	Ambion
η-Butanol	200.0 µl	082623	Fisher
Microcon®-30		R8HN90328	Millipore
TE Buffer	300 / 100 µl	032811MR	DFS

Number	Specimen Description	Amount Extracted

Starting Temp _____ Ending Temp _____

Heat Block:_____

Case Number: _____

Scientist: _____

Date: _____

Reagent	Amount	Lot#	Source
Ultra-Pure Water	(2x) 25 ml	082410MR	DFS
Ethanol	(2x) Cover	RG0232	AAPER
Demineralization Buffer	3.0 ml	022311MR	DFS
Proteinase K	200.0 µl	021411MR	DFS
PCIAA (25-24-1)	(2x) 3.0 ml	1007005	Ambion
η-Butanol	3.0 ml	082623	Fisher
AMICON® ULTRA-4		R7MN97183	Millipore
TE Buffer	(2x) 2.0 ml	032811MR	DFS
TE Buffer	100.0 µl	032811MR	DFS

Number	Specimen Description	Amount Extracted

Case Number: _____

Scientist: _____

Date: _____

Master Mix Reagent	Lot #	Source	Amount # µl	Vol
mtDNA Linear Array Kit	93822720	Roche		
mtDNA Reaction Mix			x 20.0	
mtDNA HVI-HVII Primer Mix			x 10.0	
Positive Control (HL-60)	012411MR	DFS		
Ultra-Pure Water	082410MR	DFS		
Total Volume			30.0	

Thermocycler ID

Number	Specimen		DNA + H_2O
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+
			+

Case Number: _____

Scientist: _____

Amp/ExoSap Date: _____ /

Master Mix Reagent	Lot #	Source	Amount #		µl	Vol	Vol	Vol	Vol
PCR Buffer (10X)	1009020	AB		x	5.0				
dNTP (2.5mM each)	0904106	AB		x	4.0				
BSA (0.625µg)	050511MR	DFS		x	2.0				
Forward Primer (10µM)				x	2.0				
Reverse Primer (10µM)				x	2.0				
Taq Gold (5U)	M15920	AB		x	1.0				
Ultra-Pure Water	082410MR	DFS		x	24.0				
Positive Control (HL-60)	012411MR	DFS							
Total Vol					40.0				
ExoSAP-IT	4123869	USB Scientific		x	1.5				
ExoSAP-IT Dilution Buffer	060611MR	DFS		x	18.5				
Total Vol					20.0				

Primer Set		Lot #'s		Source		Thermocycler ID

Number	Specimen	Dilution*	DNA + H_20	DNA + H_20	DNA + H_20	DNA + H_20
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+

* Ultra-Pure Water Lot # 082410MR

ANALYST: _____ FS LAB#: _____

DATE: _____

Well #	SAMPLE	Primer	+/- Product	Concentraton (ng/µL)	Photo
ORIGIN 1					
1	**DNA MW Marker XIV (1:2)**				
2					
3					
4					
5					
6					
7					
8					
9					
10					PRODUCT GEL PHOTO
ORIGIN 2					
11	**DNA MW Marker XIV (1:2)**				
12					
13					
14					
15					
16					
17					
18					
19					
20					

REAGENT	LOT#	SOURCE
PRODUCT GEL		
AGAROSE – NuSieve® 3-1	0000229335	Lonza
TAE Gel Buffer (1X)	822058	Invitrogen
SYBR Green	880315	Invitrogen
Loading Buffer (5X)	011311MMB	DFS
TAE Tank Buffer (1X)	822058	Invitrogen
DNA MW Marker XIV	12264323	Roche

Comments:

ANALYST: _____ FS LAB#: _____

DATE: _____

Well #	SAMPLE	Primer	+/- Product	Concentraton (ng/µL)	Photo
ORIGIN 1					PRODUCT GEL PHOTO
1	**DNA MW Marker XIV (1:2)**				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
ORIGIN 2					
15	**DNA MW Marker XIV (1:2)**				
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

Comments:

REAGENT	LOT#	SOURCE
PRODUCT GEL		
AGAROSE – NuSieve® 3-1	0000229335	Lonza
TAE Gel Buffer (1X)	822058	Invitrogen
SYBR Green	880315	Invitrogen
Loading Buffer (5X)	011311MMB	DFS
TAE Tank Buffer (1X)	822058	Invitrogen
DNA MW Marker XIV	12264323	Roche

Case Number: ______________________

Scientist: ______________________

Date: ______________________

Master Mix Reagent	Lot #	Source	Amount #	µl	Vol	Vol	Vol	Vol
BIG DYE Dilution Buffer	0905111	AB	x	2.0				
BIG DYE Terminator 1.1	1011056M	AB	x	3.6				
dGTP BD Terminator	1003033	AB	x	0.4				
Sequencing Primer			x	1.0				
Total Volume				7.0				

Primer Set	Lot #	Source

Thermocycler ID

Number	Specimen	Dilution*	DNA + H_20	DNA + H_20	DNA + H_20	DNA + H_20
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
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			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+
			+	+	+	+

* Ultra-Pure Water Lot # 082410MR

Case Number: _____

Scientist: _____

Purification/Plate Loading Date: _____ /

Plate Name:	

	1	2	3	4	5	6	7	8	9	10	11	12
A												
B												
C												
D												
E												
F												
G												
H												

Purification Method

Reagent	Amount Vol(µl) x # = Total Vol(µl)	Lot #	Source
Running Buffer (1X)		1012159	AB
POP-6		1106064	AB

Case Number: _____

Scientist: _____

Date: _____

Denature Samples	**Lot #**	**Source**	**Time: Immediate** **Temperature: Room**
Denaturation Solution	N02865	Roche	15µl per sample
PCR Product			15µl each well

Hybridize Samples	**Lot #**	**Source**	**Time: 15 minutes** **Temperature: 55ºC**
Sample			30µl total
Wash Buffer	051011MR	Roche	3.0 ml each well

Hybridize Rinse	**Lot #**	**Source**	**Time: 5-10 seconds** **Temperature: Room**
Wash Buffer	051011MR	Roche	3.0 ml each well

Enzyme Conjugate	**Lot #**	**Source**	**Time: 5 minutes** **Temperature: 55ºC**	**Amount** **#**	**vol**	**Vol**
Wash Buffer	051011MR	Roche	3.0 ml each well	0.0 x	3.0 ml	3ml
Streptavidin-POD	N06219	Roche		0.0 x	8.0 µl	8µl

Enzyme Conjugate Rinse	**Lot #**	**Source**	**Time: 5-10 seconds** **Temperature: Room**
Wash Buffer	051011MR	Roche	3.0 ml each well

Stringency Wash	**Lot #**	**Source**	**Time: 12 minutes** **Temperature: 55ºC**
Wash Buffer	051011MR	Roche	3.0 ml each well

Stringency Rinse	**Lot #**	**Source**	**Time: 5-10 seconds** **Temperature: Room**
Wash Buffer	051011MR	Roche	3.0 ml each well

Color Development Rinse	**Lot #**	**Source**	**Time: 5 minutes** **Temperature: Room**
Citrate Buffer	050211MR	DFS	3.0 ml each well

Color Development	**Lot #**	**Source**	**Time: 15 minutes** **Temperature: Room**	**Amount** **#**	**vol**	**Vol**
Citrate Buffer	050211MR	DFS	3.0 ml each well	0.0 x	3.0 ml	3ml
Hydrogen Peroxide (30%)	097162	Fisher		0.0 x	0.4 µl	0.4µl
Chromogen-TMB	021711MR	DFS		0.0 x	0.15 ml	0.15ml

Color Development End			**Repeat 2X** **Temperature: Room**
Water			5.0 ml each well

Case Number: _____

Scientist: _____

Date: _____

Number	Sample	HVI 16093	A	C	D	E	HVII A	B	C	D	189