

VIRGINIA DEPARTMENT OF FORENSIC SCIENCE
SAMPLES EXTRACTED

FS LAB#: _____

Well #	ITEM NUMBER / DESCRIPTION	Screen*	Sample Volume	Buffer **	Extraction Method ***	Analyst
A1						
B1						
C1						
D1						
E1						
F1						
G1						
H1						
A2						
B2						
C2						
D2						
E2						
F2						
G2						
H2						
A3						
B3						
C3						
D3						
E3						
F3						
G3						
H3						
A4						
B4						
C4						
D4						
E4						
F4						
G4						
H4						
A5						
B5						
C5						
D5						
E5						
F5						
G5						
H5						
A6						
B6						
C6						
D6						
E6						
F6						
G6						
H6						

Well #	ITEM NUMBER / DESCRIPTION	Screen*	Sample Volume	Buffer **	Extraction Method ***	Analyst
A7						
B7						
C7						
D7						
E7						
F7						
G7						
H7						
A8						
B8						
C8						
D8						
E8						
F8						
G8						
H8						
A9						
B9						
C9						
D9						
E9						
F9						
G9						
H9						
A10						
B10						
C10						
D10						
E10						
F10						
G10						
H10						

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COMMENTS:

* T = Trace/Wearer Y = Y Quant B = Both Trace/Wearer & Y Quant

** AQ = Aqueous LYS = Lysis

*** IQ = DNA IQ IQP = DNA IQ PRO K

IQD = DNA IQ DIFFERENTIAL IQTI = DNA IQ TISSUE

OM = ORGANIC MICROCON OMB = ORGANIC MICROCON BONE

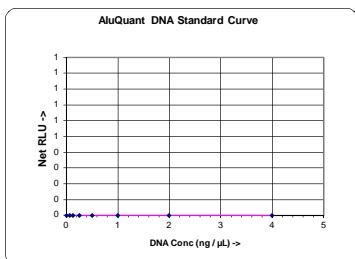
ODM = ORGANIC DIFFERENTIAL MICROCON IQM = DNA IQ MANUAL



ng / PCR Reaction	0
Max. Template (uL)	0
Elution Vol (uL)	0

FS Lab#:

Standard Curve			
DNA Concentration (ng / uL)	+ Probe	- Probe	Net RLU
0			
0.063			
0.125			
0.25			
0.5			
1			
2			
4			



Unknowns							
Well #	Sample Name	+ Probe	- Probe	Net RLU	DNA Concentration (ng / uL)	uL / PCR*	Total Yield (ng)**
A1	0						
B1	0						
C1	0						
D1	0						
E1	0						
F1	0						
G1	0						
H1	0						
A2	0						
B2	0						
C2	0						
D2	0						
E2	0						
F2	0						
G2	0						
H2	0						
A3	0						
B3	0						
C3	0						
D3	0						
E3	0						
F3	0						
G3	0						
H3	0						
A4	0						
B4	0						
C4	0						
D4	0						
E4	0						
F4	0						
G4	0						
H4	0						
A5	0						
B5	0						
C5	0						
D5	0						
E5	0						
F5	0						
G5	0						
H5	0						
A6	0						
B6	0						
C6	0						
D6	0						
E6	0						
F6	0						
G6	0						
H6	0						
A7	0						
B7	0						
C7	0						
D7	0						
E7	0						
F7	0						
G7	0						
H7	0						
A8	0						
B8	0						
C8	0						
D8	0						
E8	0						
F8	0						
G8	0						
H8	0						
A9	0						
B9	0						
C9	0						
D9	0						
E9	0						
F9	0						
G9	0						
H9	0						
A10	0						
B10	0						
C10	0						
D10	0						
E10	0						
F10	0						
G10	0						
H10	0						
A11	0						
B11	0						
C11	0						
D11	0						
E11	0						
F11	0						
G11	0						
H11	0						

Not For Medical Diagnostic Use

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VIRGINIA DEPARTMENT OF FORENSIC SCIENCE
SAMPLE SET UP FOR BIOMEK® EXTRACTION/QUANTITATION/NORMALIZATION

FS LAB#: _____

Wells Loaded:	By:

Biomek Extraction	Date:	Operator:
Quantitation	Date:	Operator:
Norm. Wizard / Amp.	Date:	Operator:

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12
H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12

COMMENTS: _____ CROSS CHECK: _____

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REAGENT WORKSHEET FS LAB#:

IQ - DNA IQ	DATE:		
REAGENT	VOL (µL)	LOT#	
LYSIS BUFFER	200 - 800		
0.39M DTT	2.5µL/100µL lysis buffer		
IQP - DNA IQ ProK	DATE:		
REAGENT	VOL (µL)	LOT#	
DNA IQ PROTEINASE K BUFFER	160		
0.39M DTT	20		
PROTEINASE K	20		
IQD - DNA IQ DIFFERENTIAL	DATE:		
REAGENT	VOL (µL)	LOT#	
TNE	400		
STERILE TYPE I WATER	75		
20% SARKOSYL	25		
PROTEINASE K	5		
DIGEST BUFFER WASHES	500 each		
IQTI - DNA IQ TISSUE	DATE:		
REAGENT	VOL (µL)	LOT#	
CaCl ₂ BUFFER 1X	90		
PROTEINASE K	10		
BIOMEK DNA IQ	DATE:		
REAGENT	VOL (µL)	LOT#	
DNA IQ LYSIS BUFFER			
0.39M DTT			
DNA IQ RESIN			
DNA IQ WASH BUFFER			
DNA IQ ELUTION BUFFER			
PLEXOR HY QUANTITATION	DATE:	LOT#	
PLEXOR HY KIT			
	Reagent Vol. (µL) / Reaction	Component Vol. (µL)	
PLEXOR 2X MASTER MIX	10	270	
STERILE TYPE I H2O	7	189	
20X PRIMER/IPC MIX	1	27	
# OF REACTIONS (automatically calculated):	27	Total Vol. Master Mix (µL):	486
AMPLIFICATION	DATE:	LOT#	
POWERPLEX FUSION KIT	# of Samples (Manual)	1	
	Reagent Vol. (µL) / Reaction	Total Volume (Manual)	
5X PP FUSION MASTER MIX	2.5	2.5 µL	
5X PP FUSION PRIMER PAIRS	2.5	2.5 µL	
STERILE TYPE I WATER (or)	2.5	2.5 µL	
PP FUSION AMP GRADE WATER			
THERMAL CYCLER:			
AMPLIFICATION CONTROLS:	POSITIVE CONTROL LOT#:		
POSITIVE(S) - # / NAME(S)			
NEGATIVE(S) - # / NAME(S)			

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MANUAL REAGENT WORKSHEET

FS LAB#:

OM - ORGANIC MICROCON		
REAGENT	VOL (µL)	LOT#
STAIN EXTRACTION BUFFER	400	
PROTEINASE K	10	
PHENOL/CHLOROFORM/IAA	500	
MICROCON 50		
MICROCON 100		
STERILE TYPE I WATER	100 / 200	
TE-4 BUFFER	30	
ODM - ORGANIC DIFFERENTIAL MICROCON		
REAGENT	VOL (µL)	LOT#
TNE	400 / 150	
STERILE TYPE I WATER	75 / 150	
20% SARKOSYL	25 / 50	
PROTEINASE K	5 / 10	
DIGEST BUFFER WASHES	500 each	
0.39M DTT	40	
PHENOL/CHLOROFORM/IAA	500	
MICROCON 50		
MICROCON 100		
STERILE TYPE I WATER	100 / 200	
TE-4 BUFFER	30	
IQM - MANUAL DNA IQ		
REAGENT	VOL (µL)	LOT#
DNA IQ LYSIS BUFFER	250-325 / 100-220 / 100	
0.39M DTT	2.5µL/100µL lysis buffer	
DNA IQ RESIN	8	
DNA IQ WASH BUFFER	100 each	
DNA IQ ELUTION BUFFER	40	
OMB - ORGANIC MICROCON BONE		
REAGENT	VOL (µL)	LOT#
STAIN EXTRACTION BUFFER	800 - variable	
PROTEINASE K	27 - variable	
PHENOL/CHLOROFORM/IAA	500	
MICROCON 50		
MICROCON 100		
STERILE TYPE I WATER	100 / 200	
TE-4 BUFFER	30	

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PLATE MAP FOR 3500

Plate Name: _____

Instrument ID: _____

Plate Loading Date: _____

Injection time (s)
12
24
24 & 12
noted in well/comments

Load volume (µL)
0.5
1
2
noted in well/comments

FS Lab#: _____

Analyst/Wells Loaded: _____

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

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Reagent	3500 Setup			Lot #
	1x (µL)	# of samples	Master Mix (µL)	
Hi-Di Formamide	9.5	1	9.5	
WEN ILS 500	0.5	1	0.5	
Allelic Ladder:				

CONTROLS		
	Examiner	Tech Review
Allelic Ladder		
Pos Control		
Neg Control		
Reagent Blank(s)		
Comments:		

COMMENTS: _____

Sample
Positive Control
Negative Control
Allelic Ladder

3500.1
3500.2

Eastern-3
Eastern-4
Northern-3
Western-1

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PPFusion_12s
PPFusion_24s
PPFusion_24s_12s

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Sample Names

Sample names should be listed in the order they appear in the DNA source plate.

	1	2	3	4	5	6	7	8	9	10
A	0	0	0	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0	0	0	0

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A1	B1	C1	D1	E1	F1	G1
H1	A2	B2	C2	D2	E2	F2
G2	H2	A3	B3	C3	D3	E3
F3	G3	H3	A4	B4	C4	D4
E4	F4	G4	H4	A5	B5	C5
D5	E5	F5	G5	H5	A6	B6
C6	D6	E6	F6	G6	H6	A7
B7	C7	D7	E7	F7	G7	H7
A8	B8	C8	D8	E8	F8	G8
H8	A9	B9	C9	D9	E9	F9
G9	H9	A10	B10	C10	D10	E10
F10	G10	H10				

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A1	B1	C1	D1	E1
F1	G1	H1	A2	B2
C2	D2	E2	F2	G2
H2	A3	B3	C3	D3
E3	F3	G3	H3	A4
B4	C4	D4	E4	F4
G4	H4	A5	B5	C5
D5	E5	F5	G5	H5
A6	B6	C6	D6	E6
F6	G6	H6	A7	B7
C7	D7	E7	F7	G7
H7	A8	B8	C8	D8
E8	F8	G8	H8	A9
B9	C9	D9	E9	F9
G9	H9	A10	B10	C10
D10	E10	F10	G10	H10

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Plate Name	Application Type	Capillary Length (cm)	Polymer	Number of Wells	Owner Name	Barcode	Comments							
Well	Sample Name	Assay	Results Group	File Name Convention	Sample Type	User	Defir User	Define User	Del User	Def User	D Comments	Results Gr	Instrument	Protocol
A01														
B01														
C01														
D01														
E01														
F01														
G01														
H01														
A02														
B02														
C02														
D02														
E02														
F02														
G02														
H02														
A03														
B03														
C03														
D03														
E03														
F03														
G03														
H03														
A04														
B04														
C04														
D04														
E04														
F04														
G04														
H04														
A05														
B05														
C05														
D05														
E05														
F05														
G05														
H05														
A06														
B06														
C06														
D06														
E06														
F06														
G06														
H06														
A07														
B07														
C07														
D07														
E07														
F07														
G07														
H07														
A08														
B08														
C08														
D08														
E08														
F08														
G08														
H08														
A09														
B09														
C09														
D09														
E09														
F09														
G09														
H09														
A10														
B10														
C10														
D10														
E10														
F10														
G10														
H10														
A11														
B11														
C11														
D11														
E11														
F11														
G11														
H11														
A12														
B12														
C12														
D12														
E12														
F12														
G12														
H12														

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WELL SAMPLE

A1
B1
C1
D1
E1
F1
G1
H1
A2
B2
C2
D2
E2
F2
G2
H2
A3
B3
C3
D3
E3
F3
G3
H3
A4
B4
C4
D4
E4
F4
G4
H4
A5
B5
C5
D5
E5
F5
G5
H5
A6
B6
C6
D6
E6
F6
G6
H6

A7
B7
C7
D7
E7
F7
G7
H7
A8
B8
C8
D8
E8
F8
G8
H8
A9
B9
C9
D9
E9
F9
G9
H9
A10
B10
C10
D10
E10
F10
G10
H10

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