

VIRGINIA DEPARTMENT OF FORENSIC SCIENCE
PowerPlex® Fusion Amplification Setup

MANUAL AMPLIFICATION SET-UP		FS LAB#:	
	LOT#	ANALYST:	
POWERPLEX FUSION KIT		DATE:	
POSITIVE CONTROL STD			
	Reagent Vol.(µL) / Sample	# of Samples	Total Volume(µL)
DNA (5 µL)		1	
5X PP FUSION MASTER MIX	2.5	1	2.5
5X PP FUSION PRIMER PAIRS	2.5	1	2.5
STERILE TYPE I WATER (or)	2.5	1	2.5
PP FUSION AMP GRADE WATER	LOT#: _____		
THERMAL CYCLER :			

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**Dilution
(µL DNA + µL H₂O)**

	Sample	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		

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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: _____

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														
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A06														
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A11														
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D11														
E11														
F11														
G11														
H11														
A12														
B12														
C12														
D12														
E12														
F12														
G12														
H12														

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3500.1
3500.2
Eastern-3
Eastern-4
Northern-3
Western-1

PPFusion_24s
PPFusion_12s
PPFusion_24s_12s

Sample
Positive Control
Negative Control
Allelic Ladder

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