

3_E_Sample_Preparation Report

Program Name (on pipette)

3_E_Sample_Prep

User Credentials

Name: LSa

Date: 28. Feb. 2020

Overview Method



VOYAGER -
1,250µl - 8CH

1 Initial Volumes



2 Repeat Dispense



Add Dilution Buffer

3 Transfer



Dilute Samples S1-S8

4 Transfer



Dilute Samples S9-S16

5 Transfer



Dilute Samples S17-S24

6 Message



Add standards in col 1

7 Message



Go to 4_E_Sample_Addition

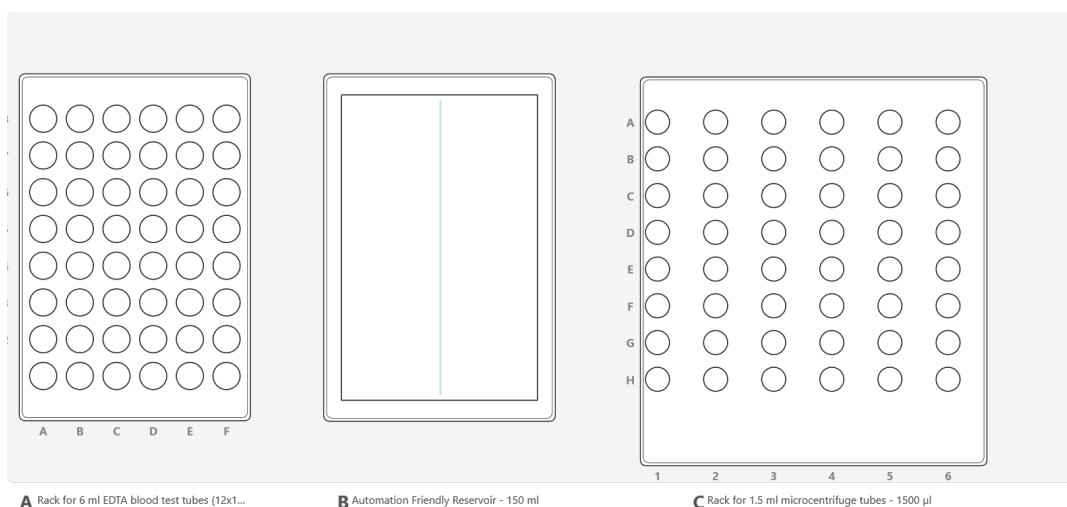
Total Time: 4 min 35 sec

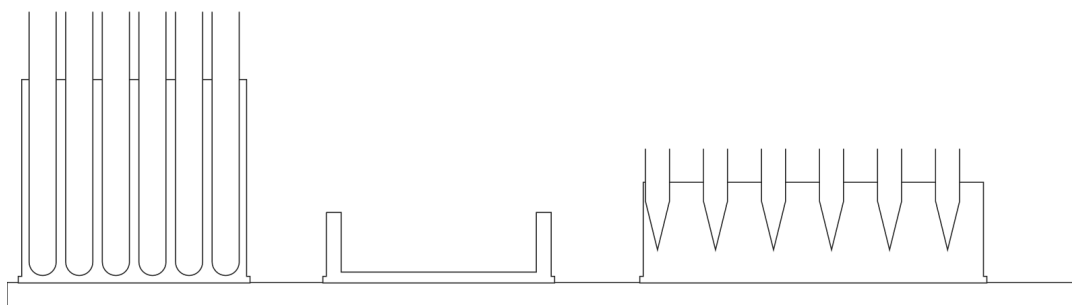
Total Tip Consumption: 32

Description

ELISA - Prepare the samples

Deck Layout






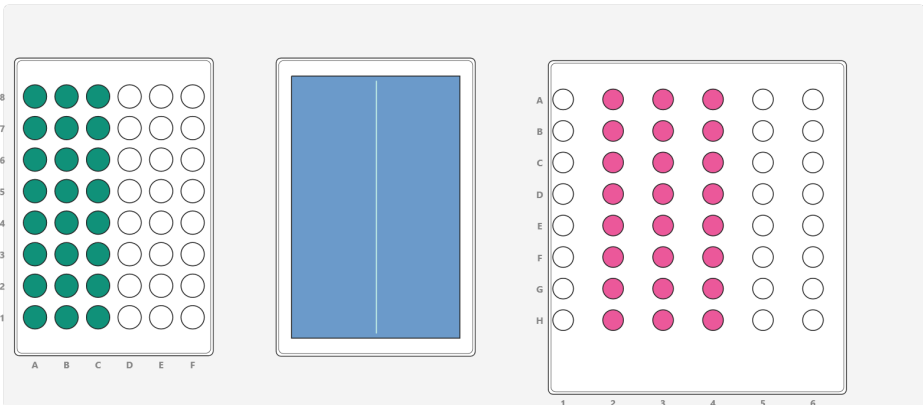
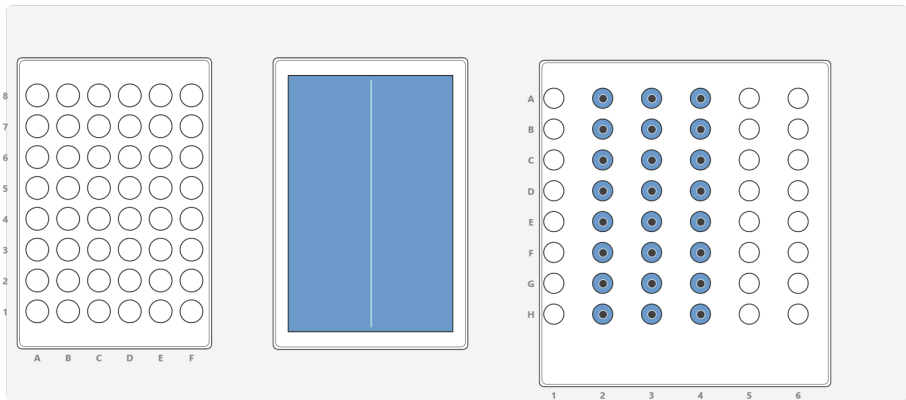
Pipette & Deck

Labware	Name	Manufacturer	Part Number
Pipette	VOYAGER 1,250µl 8 channels	INTEGRA	4724
Pipette Tip	1250 µl GripTip, Sterile, Filter, Low retention	INTEGRA	6545
Deck	3 Position Universal Deck	INTEGRA	4520

Deck Labware


Deck Position	Labware	Name	Manufacturer	Part Number	Description
A	Tube Rack	Rack for 6 ml EDTA blood test tubes (12x100 mm) - 6000 µl	INTEGRA	4543	6x8 6 ml EDTA blood sample test tubes (12x100 mm) in SLAS/ANSI format
B	Reservoir	Automation Friendly Reservoir - 150 ml	INTEGRA	6301, 6302, 6303, 6317, 6318	
C	Tube Rack	Rack for 1.5 ml microcentrifuge tubes - 1500 µl	INTEGRA	4540	6x8 1.5 ml microcentrifuge tubes

Method

Step	Description																																																												
1 Initial Volum...	<div></div> <div><div><div></div>30 ml <div></div>5000 µl <div></div>0 µl</div></div>																																																												
2 Repeat Dispen...	<div><div><div><div></div><div></div><div></div></div><div>→</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div>Time: 1 min 6 sec Used Tips: 8 Description: Add Dilution Buffer</div></div> <div></div> <div><h3>Summary individual transfers</h3><table><tr><th rowspan="2">Step</th><th colspan="3">Source</th><th colspan="3">Target</th><th rowspan="2">Volume [µl]</th></tr><tr><th>Deck Position</th><th>Well Positions</th><th>Start Height [mm]</th><th>Deck Position</th><th>Well Positions</th><th>Start Height [mm]</th></tr><tr><td>1</td><td>B</td><td>-</td><td>5.2 mm</td><td>C</td><td>A2-H2</td><td>15.5 mm</td><td>900</td></tr><tr><td>2</td><td>B</td><td>-</td><td>5.2 mm</td><td>C</td><td>A3-H3</td><td>15.5 mm</td><td>900</td></tr><tr><td>3</td><td>B</td><td>-</td><td>5.2 mm</td><td>C</td><td>A4-H4</td><td>15.5 mm</td><td>900</td></tr></table><h3>Pipetting settings</h3><table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td rowspan="2">Pipetting location</td><td>Source: Tip Spacing</td><td>Source: 9 mm</td></tr><tr><td>Target: Tip Spacing</td><td>Target: 13.5 mm</td></tr><tr><td>Volumes</td><td>Volume Dispense Type</td><td>Fix Single</td></tr><tr><td rowspan="5">Pipetting Speeds</td><td>Aspiration Speed</td><td>3</td></tr><tr><td>Aspiration Delay</td><td>0</td></tr><tr><td>Dispense Speed</td><td>3</td></tr><tr><td>Dispense Delay</td><td>0</td></tr><tr><td>Aspiration</td><td>No</td></tr></table></div>	Step	Source			Target			Volume [µl]	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	1	B	-	5.2 mm	C	A2-H2	15.5 mm	900	2	B	-	5.2 mm	C	A3-H3	15.5 mm	900	3	B	-	5.2 mm	C	A4-H4	15.5 mm	900	Tab	Parameter	Set value	Pipetting location	Source: Tip Spacing	Source: 9 mm	Target: Tip Spacing	Target: 13.5 mm	Volumes	Volume Dispense Type	Fix Single	Pipetting Speeds	Aspiration Speed	3	Aspiration Delay	0	Dispense Speed	3	Dispense Delay	0	Aspiration	No
Step	Source			Target			Volume [µl]																																																						
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]																																																							
1	B	-	5.2 mm	C	A2-H2	15.5 mm	900																																																						
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	Dispense Delay	0																																																											
	Aspiration	No																																																											

Step	Description		
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: Variable No 0.8 mm Target: Fix Yes 2 mm
	Tip Change	Tip Change	After step complete
	Mix	Source: Mixing Target: Mixing	Source: No Target: No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 35.3 mm

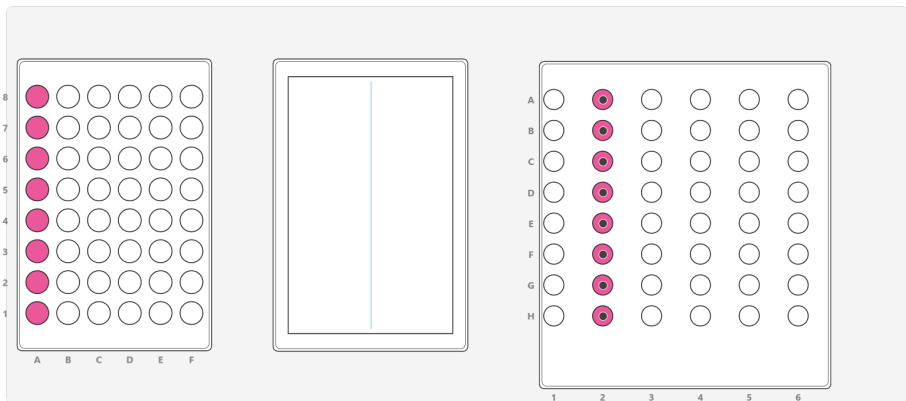
3 Transfer



Time:
1 min 7 sec

Used Tips:
8

Description:
Dilute Samples S1-S8



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A8-A1	76 mm	C	A2-H2	36 mm	100


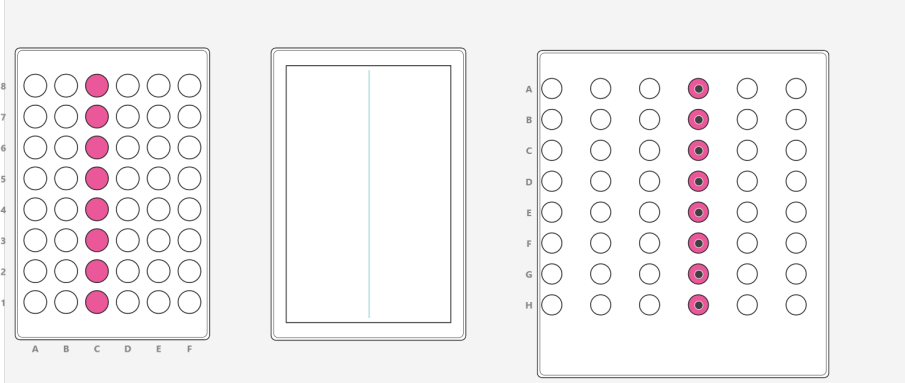
Pipetting settings

Tab	Parameter	Set value
Pipetting location	Source: Tip Spacing	Source: 13.5 mm
	Target: Tip Spacing	Target: 13.5 mm
Volumes	Volume	Fix



Step	Description		
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration	3 0 3 0 No
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: Variable Yes 2 mm Target: Variable Yes 2 mm
	Tip Change	Tip Change	After each transfer
	Mix	Source: Mixing Target: Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height	Source: No Target: Yes 900 µl 5 3 Yes 34.2 mm
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 36.5 mm

4 Transfer

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Step	Description		
	Tab	Parameter	Set value
	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 13.5 mm Target: 13.5 mm
	Volumes	Volume	Fix
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration	3 0 3 0 No
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: Variable Yes 2 mm Target: Variable Yes 2 mm
	Tip Change	Tip Change	After each transfer
	Mix	Source: Mixing Target: Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height	Source: No Target: Yes 900 µl 5 3 Yes 34.2 mm
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 36.5 mm
5 Transfer  Time: 1 min 7 sec Used Tips: 8 Description: Dilute Samples S17-S24	 <p>Summary individual transfers</p>		

Step	Description						
		Source			Target		
	Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]
	1	A	C8-C1	76 mm	C	A4-H4	36 mm
	Volume [µl]						
	100						
	Pipetting settings						
	Tab	Parameter			Set value		
	Pipetting location	Source: Tip Spacing Target: Tip Spacing			Source: 13.5 mm Target: 13.5 mm		
	Volumes	Volume			Fix		
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration			3 0 3 0 No		
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset			Source: Variable Yes 2 mm Target: Variable Yes 2 mm		
	Tip Change	Tip Change			After each transfer		
	Mix	Source: Mixing Target: Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height			Source: No Target: Yes 900 µl 5 3 Yes 34.2 mm		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height			Yes Liquid 36.5 mm		

Step	Description		
6 Message 	Pipetting settings		
Description: Add standards in col 1	Tab	Parameter	Set value
	Message	Message Line 1 Message Line 2 Message Line 3	Add standard tubes col 1 -
7 Message 	Pipetting settings		
Description: Go to 4_E_Sample_Additi on	Tab	Parameter	Set value
	Message	Message Line 1 Message Line 2 Message Line 3	Go to Progr 4_E_Sample _Add

Run Protocol

Program Name Program Name (on pipette)	3_E_Sample_Preparation.iaa 3_E_Sample_Prep
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Instrument - Serial Number ASSIST PLUS	
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Pipette - Serial Number VOYAGER - 1,250µl - 8CH	
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Pipette Tips - Lot Number 1250 µl GripTip, Sterile, Filter, Low retention	
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Notes:	
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Run Operator:	
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Run Date:	
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Run Start Time:	
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Run End Time:	
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Signature:	
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