

4_E_Sample_Addition Report

Program Name (on pipette)

4_E_Sample_Add

User Credentials

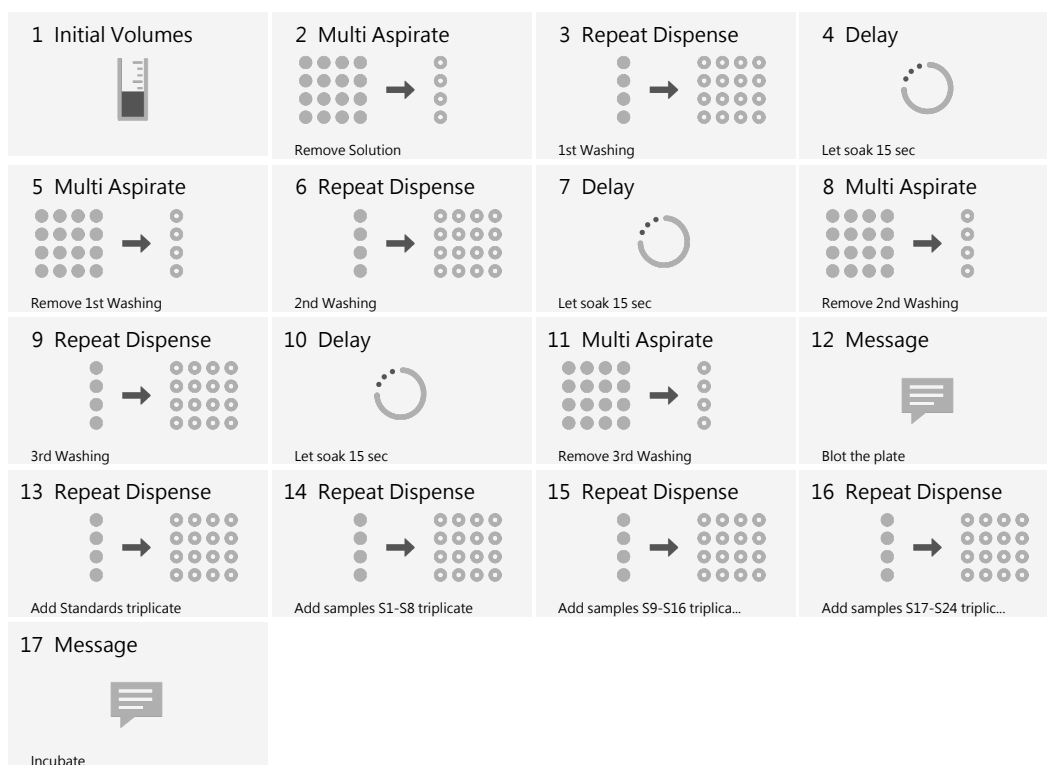
Name: LSa

Date: 28. Feb. 2020

Overview Method



VOYAGER -
1,250µl - 8CH



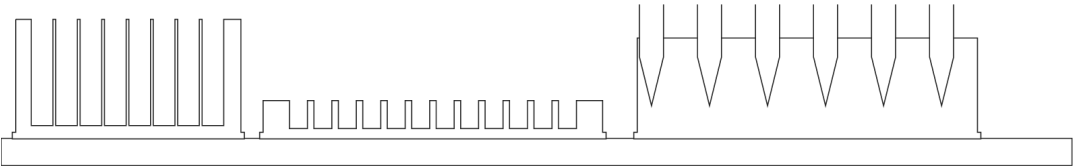
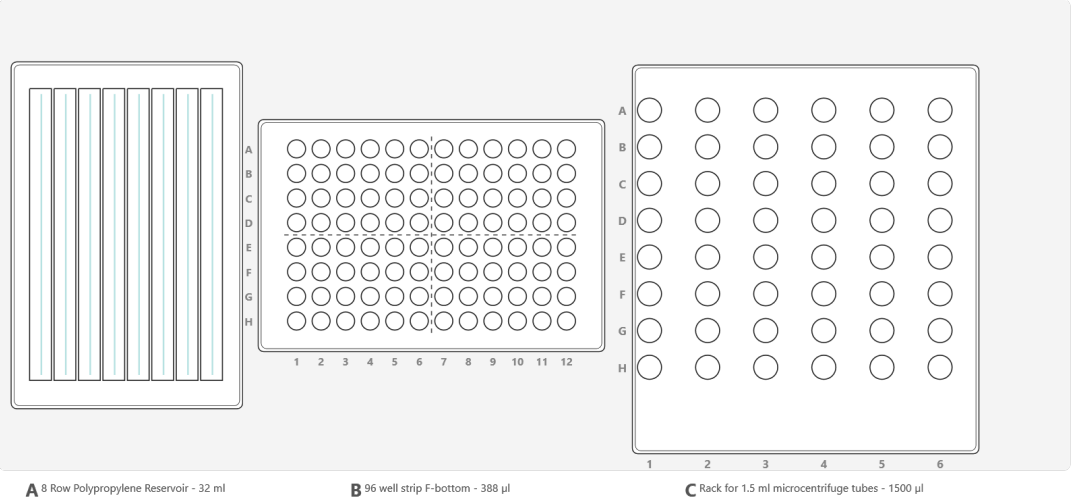
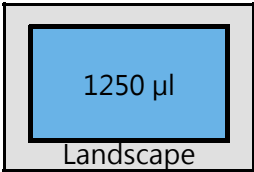
Total Time: 13 min 2 sec

Total Tip Consumption: 88

Description

ELISA - Add samples and controls

Deck Layout




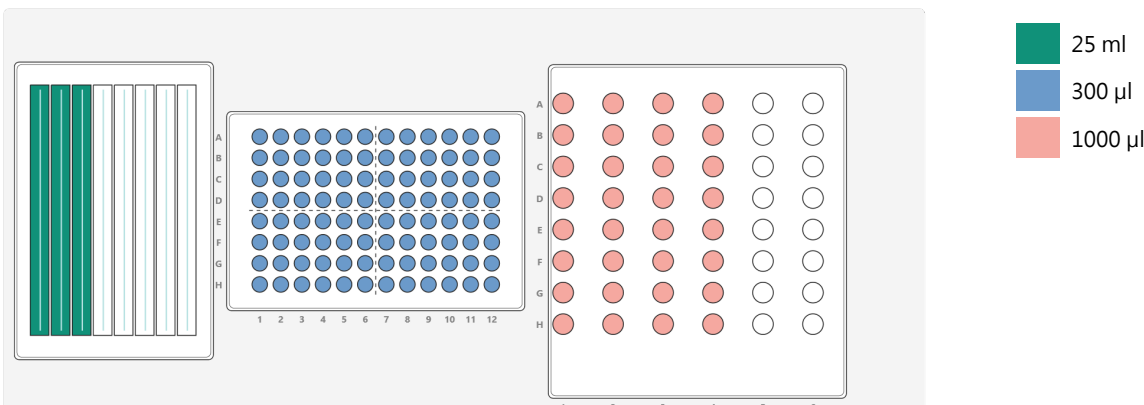

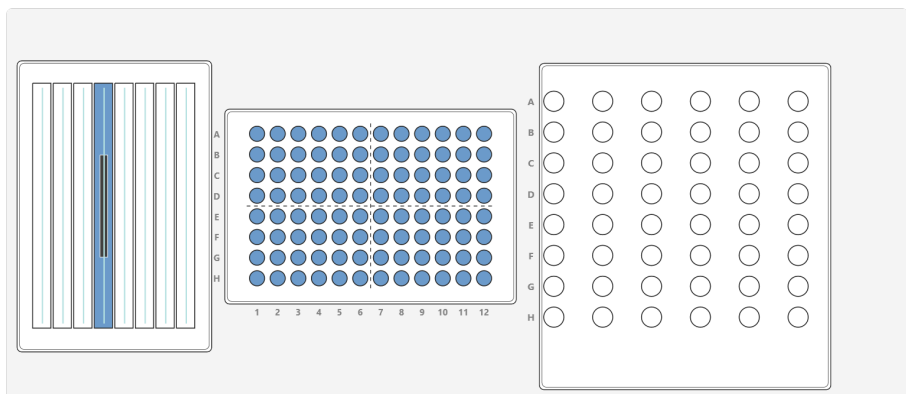
Pipette & Deck

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	Reservoir	8 Row Polypropylene Reservoir - 32 ml	INTEGRA	6371, 6372	
B	Plate	96 well strip F-bottom - 388 µl	GREINER	762070, 762071, 762074, 762075, 762076, 762077	96 well strip plate, 12x8 strips, PS, F-bottom
C	Tube Rack	Rack for 1.5 ml microcentrifuge tubes - 1500 µl	INTEGRA	4540	6x8 1.5 ml microcentrifuge tubes

Method



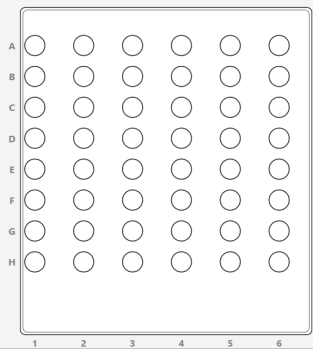
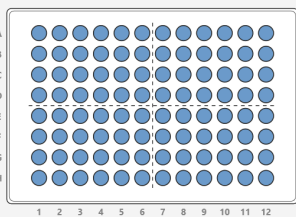
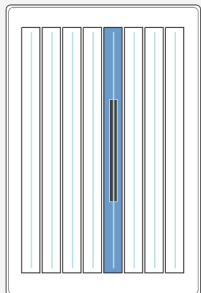
Step	Description
1 Initial Volum...	<div><div></div><div></div></div>
2 Multi Aspirate	<div><div><p>Time: 1 min 29 sec Used Tips: 8</p><p>Description: Remove Solution</p></div><div></div></div>

Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A1-H1	10.8 mm	A	A4	6.9 mm	300
2	B	A2-H2	10.8 mm	A	A4	6.9 mm	300
3	B	A3-H3	10.8 mm	A	A4	6.9 mm	300
4	B	A4-H4	10.8 mm	A	A4	6.9 mm	300
5	B	A5-H5	10.8 mm	A	A4	6.9 mm	300
6	B	A6-H6	10.8 mm	A	A4	6.9 mm	300
7	B	A7-H7	10.8 mm	A	A4	6.9 mm	300

Step	Description							
	8	B	A8-H8	10.8 mm	A	A4	6.9 mm	300
	9	B	A9-H9	10.8 mm	A	A4	6.9 mm	300
	10	B	A10-H10	10.8 mm	A	A4	6.9 mm	300
	11	B	A11-H11	10.8 mm	A	A4	6.9 mm	300
	12	B	A12-H12	10.8 mm	A	A4	6.9 mm	300
	Pipetting settings							
	Tab	Parameter			Set value			
	Pipetting location	Source: Tip Spacing Target: Tip Spacing			Source: 9.02 mm Target: 9 mm			
	Volumes	Volume Aspirate Type			Fix Multi			
	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: Fix Yes 1 mm Target: Variable Yes 2 mm			
	Tip Change	Tip Change			After step complete			
	Mix	Source: Mixing Target: Mixing			Source: No Target: No			
	Tip Touch	Tip Touch			No			
3 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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></div><div></div><div></div><div></div><div></div><div></div><div></div><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Step	Description						
		Source			Target		
	Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]
	1	A	A1	34 mm	B	A1-H1	5.7 mm
	2	A	A1	34 mm	B	A2-H2	5.7 mm
	3	A	A1	34 mm	B	A3-H3	5.7 mm
	4	A	A1	34 mm	B	A4-H4	5.7 mm
	5	A	A1	34 mm	B	A5-H5	5.7 mm
	6	A	A1	34 mm	B	A6-H6	5.7 mm
	7	A	A1	34 mm	B	A7-H7	5.7 mm
	8	A	A1	34 mm	B	A8-H8	5.7 mm
	9	A	A1	34 mm	B	A9-H9	5.7 mm
	10	A	A1	34 mm	B	A10-H10	5.7 mm
	11	A	A1	34 mm	B	A11-H11	5.7 mm
	12	A	A1	34 mm	B	A12-H12	5.7 mm
Pipetting settings							
Tab		Parameter			Set value		
Pipetting location		Source: Tip Spacing Target: Tip Spacing			Source: 9 mm Target: 9.02 mm		
Volumes		Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type			Fix 50 µl Source No Multi		
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 1 mm Target: Fix Yes 1 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 9 mm		

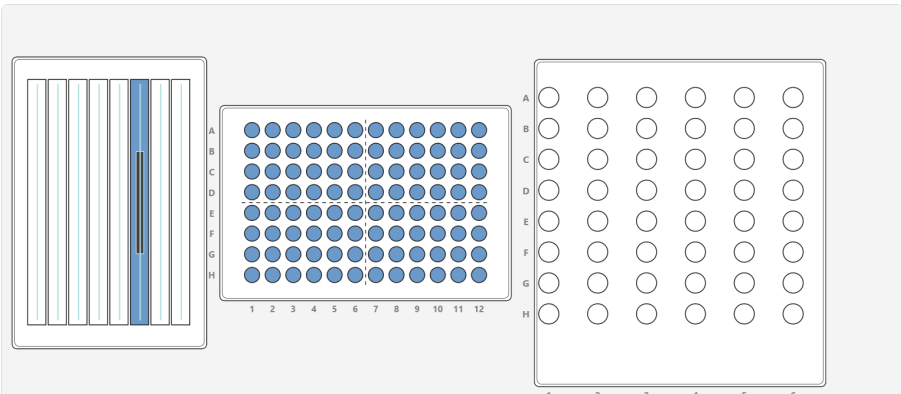
Step	Description																																																																																																																							
4 Delay 	<p>Pipetting settings</p> <table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td>Delay</td><td>Delay Time Skip Delay by RUN</td><td>15 Yes</td></tr></table>	Tab	Parameter	Set value	Delay	Delay Time Skip Delay by RUN	15 Yes																																																																																																																	
Tab	Parameter	Set value																																																																																																																						
Delay	Delay Time Skip Delay by RUN	15 Yes																																																																																																																						
Description: Let soak 15 sec																																																																																																																								
5 Multi Aspirate 	<div></div> <p>Summary individual transfers</p> <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>A1-H1</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>2</td><td>B</td><td>A2-H2</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>3</td><td>B</td><td>A3-H3</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>4</td><td>B</td><td>A4-H4</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>5</td><td>B</td><td>A5-H5</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>6</td><td>B</td><td>A6-H6</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>7</td><td>B</td><td>A7-H7</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>8</td><td>B</td><td>A8-H8</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>9</td><td>B</td><td>A9-H9</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>10</td><td>B</td><td>A10-H10</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>11</td><td>B</td><td>A11-H11</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr><tr><td>12</td><td>B</td><td>A12-H12</td><td>8.2 mm</td><td>A</td><td>A5</td><td>6.9 mm</td><td>200</td></tr></table> <p>Pipetting settings</p> <table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td>Pipetting location</td><td>Source: Tip Spacing Target: Tip Spacing</td><td>Source: 9.02 mm Target: 9 mm</td></tr><tr><td>Volumes</td><td>Volume Aspirate Type</td><td>Fix Multi</td></tr></table>	Step	Source			Target			Volume [µl]	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	1	B	A1-H1	8.2 mm	A	A5	6.9 mm	200	2	B	A2-H2	8.2 mm	A	A5	6.9 mm	200	3	B	A3-H3	8.2 mm	A	A5	6.9 mm	200	4	B	A4-H4	8.2 mm	A	A5	6.9 mm	200	5	B	A5-H5	8.2 mm	A	A5	6.9 mm	200	6	B	A6-H6	8.2 mm	A	A5	6.9 mm	200	7	B	A7-H7	8.2 mm	A	A5	6.9 mm	200	8	B	A8-H8	8.2 mm	A	A5	6.9 mm	200	9	B	A9-H9	8.2 mm	A	A5	6.9 mm	200	10	B	A10-H10	8.2 mm	A	A5	6.9 mm	200	11	B	A11-H11	8.2 mm	A	A5	6.9 mm	200	12	B	A12-H12	8.2 mm	A	A5	6.9 mm	200	Tab	Parameter	Set value	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 9.02 mm Target: 9 mm	Volumes	Volume Aspirate Type	Fix Multi
Step	Source			Target			Volume [µl]																																																																																																																	
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]																																																																																																																		
1	B	A1-H1	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
2	B	A2-H2	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
3	B	A3-H3	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
4	B	A4-H4	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
5	B	A5-H5	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
6	B	A6-H6	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
7	B	A7-H7	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
8	B	A8-H8	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
9	B	A9-H9	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
10	B	A10-H10	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
11	B	A11-H11	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
12	B	A12-H12	8.2 mm	A	A5	6.9 mm	200																																																																																																																	
Tab	Parameter	Set value																																																																																																																						
Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 9.02 mm Target: 9 mm																																																																																																																						
Volumes	Volume Aspirate Type	Fix Multi																																																																																																																						
Time: 1 min 16 sec Used Tips: 8																																																																																																																								
Description: Remove 1st Washing																																																																																																																								

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: Fix Yes 1 mm Target: Variable Yes 2 mm
	Tip Change	Tip Change	After step complete
	Mix	Source: Mixing Target: Mixing	Source: No Target: No
	Tip Touch	Tip Touch	No

6 Repeat Dispen...

<

Step	Description		
	Tab	Parameter	Set value
	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 9 mm Target: 9.02 mm
	Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 50 µl Source No Multi
	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 1 mm Target: Fix Yes 1 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 9 mm
7 Delay 	Pipetting settings		
Description: Let soak 15 sec	Tab	Parameter	Set value
	Delay	Delay Time Skip Delay by RUN	15 Yes
8 Multi Aspirate 			

Step	Description																																																																																																																																
<div>Time: 1 min 16 sec</div> <div>Used Tips: 8</div> <div>Description: Remove 2nd Washing</div>	<div></div> <div>Summary individual transfers</div> <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>A1-H1</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>2</td><td>B</td><td>A2-H2</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>3</td><td>B</td><td>A3-H3</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>4</td><td>B</td><td>A4-H4</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>5</td><td>B</td><td>A5-H5</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>6</td><td>B</td><td>A6-H6</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>7</td><td>B</td><td>A7-H7</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>8</td><td>B</td><td>A8-H8</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>9</td><td>B</td><td>A9-H9</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>10</td><td>B</td><td>A10-H10</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>11</td><td>B</td><td>A11-H11</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr><tr><td>12</td><td>B</td><td>A12-H12</td><td>8.2 mm</td><td>A</td><td>A6</td><td>6.9 mm</td><td>200</td></tr></table> <div>Pipetting settings</div> <table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td>Pipetting location</td><td>Source: Tip Spacing Target: Tip Spacing</td><td>Source: 9.02 mm Target: 9 mm</td></tr><tr><td>Volumes</td><td>Volume Aspirate Type</td><td>Fix Multi</td></tr><tr><td>Pipetting Speeds</td><td>Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration</td><td>3 0 3 0 No</td></tr><tr><td>Pipetting Height</td><td>Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset</td><td>Source: Fix No 1 mm Target: Variable Yes 2 mm</td></tr><tr><td>Tip Change</td><td>Tip Change</td><td>After step complete</td></tr></table>	Step	Source			Target			Volume [µl]	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	1	B	A1-H1	8.2 mm	A	A6	6.9 mm	200	2	B	A2-H2	8.2 mm	A	A6	6.9 mm	200	3	B	A3-H3	8.2 mm	A	A6	6.9 mm	200	4	B	A4-H4	8.2 mm	A	A6	6.9 mm	200	5	B	A5-H5	8.2 mm	A	A6	6.9 mm	200	6	B	A6-H6	8.2 mm	A	A6	6.9 mm	200	7	B	A7-H7	8.2 mm	A	A6	6.9 mm	200	8	B	A8-H8	8.2 mm	A	A6	6.9 mm	200	9	B	A9-H9	8.2 mm	A	A6	6.9 mm	200	10	B	A10-H10	8.2 mm	A	A6	6.9 mm	200	11	B	A11-H11	8.2 mm	A	A6	6.9 mm	200	12	B	A12-H12	8.2 mm	A	A6	6.9 mm	200	Tab	Parameter	Set value	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 9.02 mm Target: 9 mm	Volumes	Volume Aspirate Type	Fix Multi	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: Fix No 1 mm Target: Variable Yes 2 mm	Tip Change	Tip Change	After step complete
Step	Source			Target			Volume [µl]																																																																																																																										
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3	B	A3-H3	8.2 mm	A	A6	6.9 mm	200																																																																																																																										
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6	B	A6-H6	8.2 mm	A	A6	6.9 mm	200																																																																																																																										
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Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 9.02 mm Target: 9 mm																																																																																																																															
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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: Fix No 1 mm Target: Variable Yes 2 mm																																																																																																																															
Tip Change	Tip Change	After step complete																																																																																																																															

Step	Description		
	Mix	Source: Mixing Target: Mixing	Source: No Target: No
	Tip Touch	Tip Touch	No

9 Repeat Dispen...



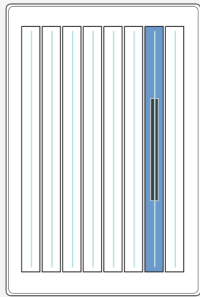
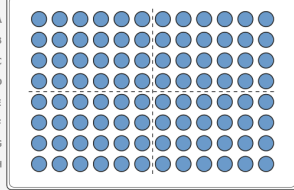
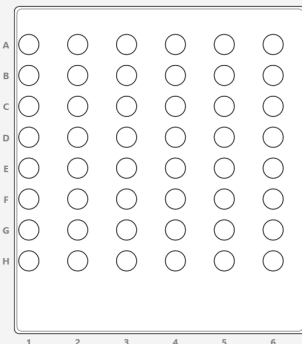
→

Time:
1 min 26 sec
Used Tips:
8



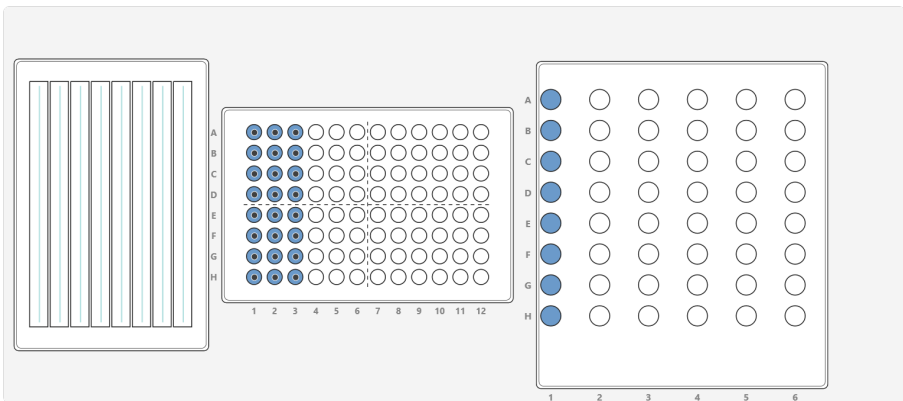
Description:
3rd Washing

A
B
C
D
E
F
G
H


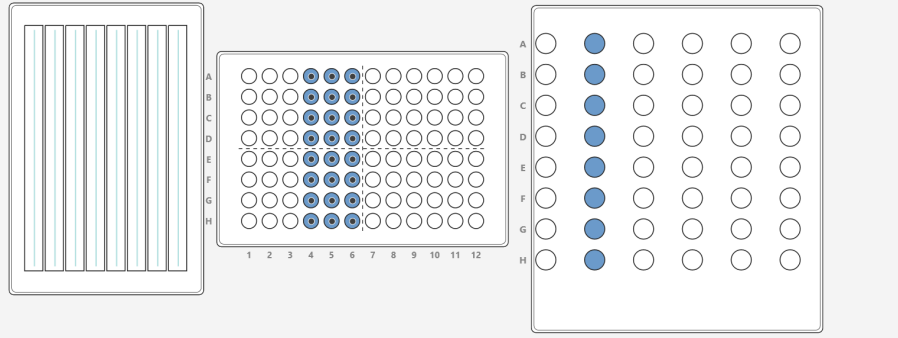
<

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 1 mm Target: Fix Yes 1 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 9 mm						
10 Delay 	<p>Pipetting settings</p> <table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td>Delay</td><td>Delay Time Skip Delay by RUN</td><td>15 Yes</td></tr></table>			Tab	Parameter	Set value	Delay	Delay Time Skip Delay by RUN	15 Yes
Tab	Parameter	Set value							
Delay	Delay Time Skip Delay by RUN	15 Yes							
11 Multi Aspirate 	<div><div></div><div></div><div></div></div> <p>Summary individual transfers</p>								
Time: 1 min 15 sec Used Tips: 8 Description: Remove 3rd Washing									

Step	Description						
		Source			Target		
	Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]
	1	B	A1-H1	8.2 mm	A	A7	6.9 mm
	2	B	A2-H2	8.2 mm	A	A7	6.9 mm
	3	B	A3-H3	8.2 mm	A	A7	6.9 mm
	4	B	A4-H4	8.2 mm	A	A7	6.9 mm
	5	B	A5-H5	8.2 mm	A	A7	6.9 mm
	6	B	A6-H6	8.2 mm	A	A7	6.9 mm
	7	B	A7-H7	8.2 mm	A	A7	6.9 mm
	8	B	A8-H8	8.2 mm	A	A7	6.9 mm
	9	B	A9-H9	8.2 mm	A	A7	6.9 mm
	10	B	A10-H10	8.2 mm	A	A7	6.9 mm
	11	B	A11-H11	8.2 mm	A	A7	6.9 mm
	12	B	A12-H12	8.2 mm	A	A7	6.9 mm
Pipetting settings							
Tab		Parameter			Set value		
Pipetting location		Source: Tip Spacing Target: Tip Spacing			Source: 9.02 mm Target: 9 mm		
Volumes		Volume Aspirate Type			Fix Multi		
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: Fix Yes 1 mm Target: Variable Yes 2 mm		
Tip Change		Tip Change			After step complete		
Mix		Source: Mixing Target: Mixing			Source: No Target: No		
Tip Touch		Tip Touch			No		

Step	Description																																																		
12 Message 	<p>Pipetting settings</p> <table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td>Message</td><td>Message Line 1 Message Line 2 Message Line 3</td><td>Blot the plate -</td></tr></table>	Tab	Parameter	Set value	Message	Message Line 1 Message Line 2 Message Line 3	Blot the plate -																																												
Tab	Parameter	Set value																																																	
Message	Message Line 1 Message Line 2 Message Line 3	Blot the plate -																																																	
13 Repeat Dispense... 	<p>Time: 0 min 38 sec Used Tips: 8</p> <p>Description: Add Standards triplicate</p> <div></div> <p>Summary individual transfers</p> <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>C</td><td>A1-H1</td><td>36.3 mm</td><td>B</td><td>A1-H1</td><td>5.7 mm</td><td>100</td></tr><tr><td>2</td><td>C</td><td>A1-H1</td><td>36.3 mm</td><td>B</td><td>A2-H2</td><td>5.7 mm</td><td>100</td></tr><tr><td>3</td><td>C</td><td>A1-H1</td><td>36.3 mm</td><td>B</td><td>A3-H3</td><td>5.7 mm</td><td>100</td></tr></table> <p>Pipetting settings</p> <table><tr><th>Tab</th><th>Parameter</th><th>Set value</th></tr><tr><td>Pipetting location</td><td>Source: Tip Spacing Target: Tip Spacing</td><td>Source: 13.5 mm Target: 9.02 mm</td></tr><tr><td>Volumes</td><td>Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type</td><td>Fix 25 µl Source No Multi</td></tr><tr><td>Pipetting Speeds</td><td>Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration</td><td>3 0 3 0 No</td></tr></table>	Step	Source			Target			Volume [µl]	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	1	C	A1-H1	36.3 mm	B	A1-H1	5.7 mm	100	2	C	A1-H1	36.3 mm	B	A2-H2	5.7 mm	100	3	C	A1-H1	36.3 mm	B	A3-H3	5.7 mm	100	Tab	Parameter	Set value	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 13.5 mm Target: 9.02 mm	Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Source No Multi	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration	3 0 3 0 No
Step	Source			Target			Volume [µl]																																												
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]																																													
1	C	A1-H1	36.3 mm	B	A1-H1	5.7 mm	100																																												
2	C	A1-H1	36.3 mm	B	A2-H2	5.7 mm	100																																												
3	C	A1-H1	36.3 mm	B	A3-H3	5.7 mm	100																																												
Tab	Parameter	Set value																																																	
Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 13.5 mm Target: 9.02 mm																																																	
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Source No Multi																																																	
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration	3 0 3 0 No																																																	

Step	Description		
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: Variable Yes 2 mm Target: Fix Yes 1 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 6 mm

14 Repeat Dispen...	
Time: 0 min 38 sec Used Tips: 8	
Description: Add samples S1-S8 triplicate	

Summary individual transfers							
Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A2-H2	36.3 mm	B	A4-H4	5.7 mm	100
2	C	A2-H2	36.3 mm	B	A5-H5	5.7 mm	100
3	C	A2-H2	36.3 mm	B	A6-H6	5.7 mm	100

Pipetting settings		
Tab	Parameter	Set value
Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 13.5 mm Target: 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Source No Multi

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: Fix Yes 1 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 6 mm

15 Repeat Dispen...

Time:
0 min 38 sec
Used Tips:
8

Description:
Add samples S9-S16 triplicate

A
B
C
D
E
F
G
H

Step	Description		
	Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Source No Multi
	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: Fix Yes 1 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 6 mm

16 Repeat Dispen...

→


Time:
0 min 38 sec

Used Tips:
8

Description:
Add samples S17-S24 triplicate

A
B
C
D
E
F
G
H

<

Step	Description		
	Tab	Parameter	Set value
	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: 13.5 mm Target: 9.02 mm
	Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Source No Multi
	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: Fix Yes 1 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 6 mm
17 Message 	Pipetting settings		
Description: Incubate	Tab	Parameter	Set value
	Message	Message Line 1 Message Line 2 Message Line 3	Incubate - -

Run Protocol

Program Name Program Name (on pipette)	4_E_Sample_Addition.iaa 4_E_Sample_Add
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Instrument - Serial Number ASSIST PLUS	
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Pipette - Serial Number VOYAGER - 1,250µl - 8CH	
--	--

Pipette Tips - Lot Number 1250 µl GripTip, Sterile, Filter, Low retention	
--	--

Notes:	
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Run Operator:	
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Run Date:	
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Run Start Time:	
-----------------	--

Run End Time:	
---------------	--

Signature:	
------------	--