

Sansure-HPV-diagnostic-kit-96-wells Report

INTEGRA
VIALAB

Program Name (on pipette)

HPV 96 well

User Credentials

Name: PRa2

Date: 30. Jul. 2020

Overview Method



VOYAGER -
50µl - 8CH

1 Initial Volumes



2 Repeat Dispense



Add lysis buffer (1/2)

3 Delay



Incubate plate

4 Transfer



Transfer to pcr plate (1/2)

5 Message



Change tube rack ...

6 Repeat Dispense



Add lysis buffer (2/2)

7 Delay



Incubate plate

8 Transfer



Transfer to pcr plate (2/2)

9 Message



Fill mastermix into reservo...

10 Repeat Dispense



Add MMX into PCR plate

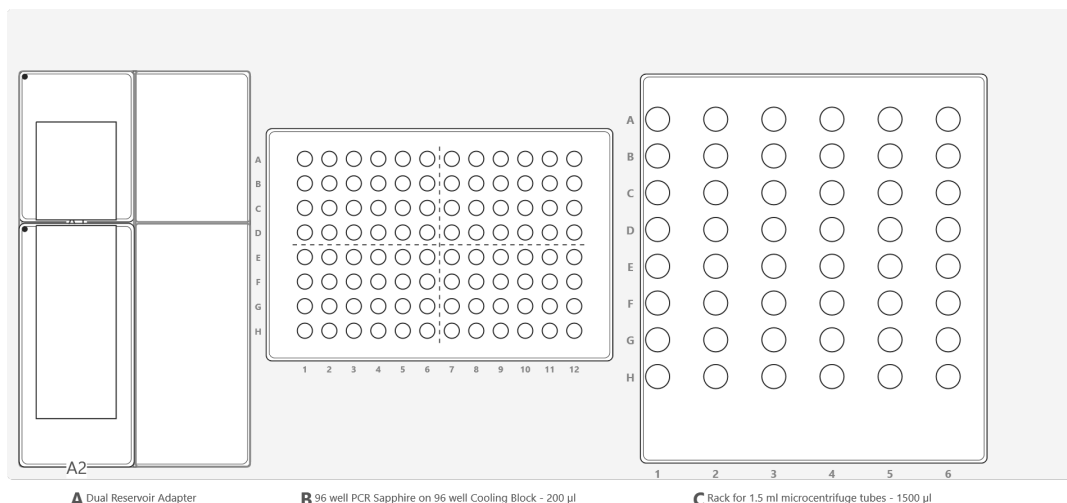
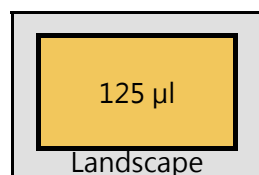
Total Time: 50 min 29 sec

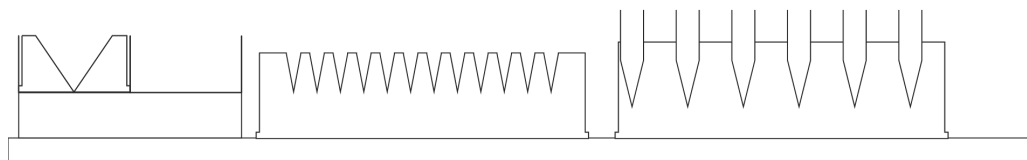
Total Tip Consumption: 288

Description

Sansure HPV diagnostic kit PCR set up for 96 samples

Deck Layout






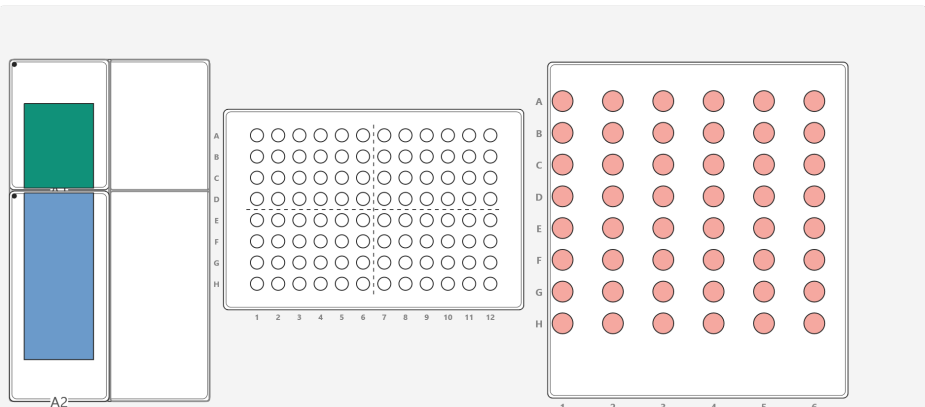

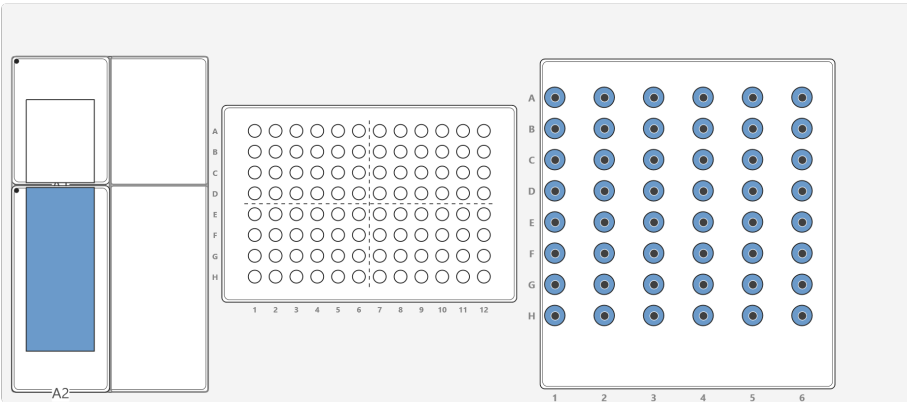
Pipette & Deck



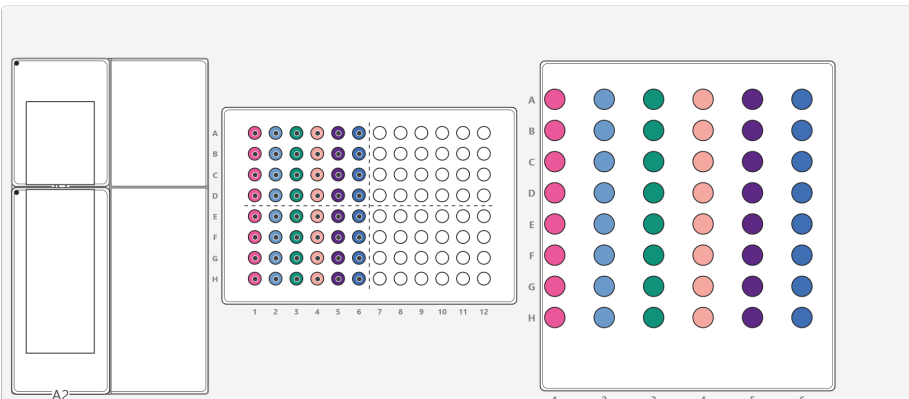
Labware	Name	Manufacturer	Part Number
Pipette	VOYAGER 50µl 8 channels	INTEGRA	4726
Pipette Tip	50/125 µl GripTip, Sterile, Filter	INTEGRA	6465
Deck	3 Position Universal Deck	INTEGRA	4520

Deck Labware



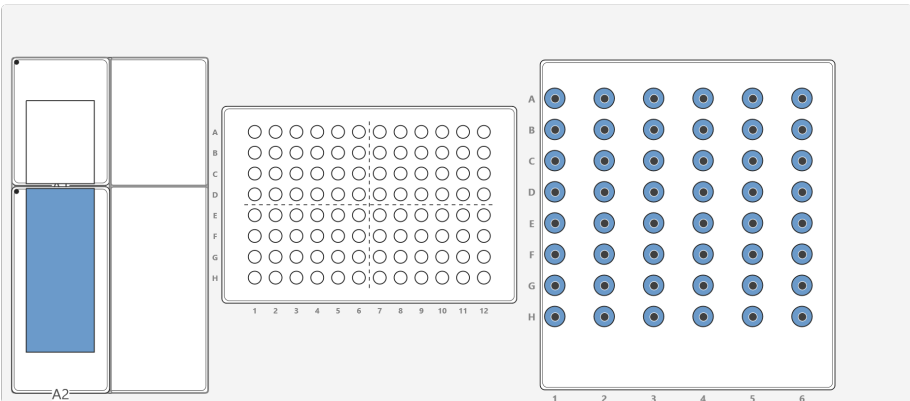
Deck Position	Labware	Name	Manufacturer	Part Number	Description
A	COMBI System	Dual Reservoir Adapter		4547	- compatible with 10 ml Multichannel Reagent Reservoirs 25 ml Multichannel Reagent Reservoirs Divided Reagent Reservoirs - holds up to 2 reservoirs (of the same or different type)
	A1	Divided Reagent Reservoir 5 ml compartment (Insert)	INTEGRA	4304, 4351, 4352, 4356, 4357	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
	A2	Divided Reagent Reservoir 10 ml compartment (Insert)	INTEGRA	4304, 4351, 4352, 4356, 4357	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
B	Plate	96 well PCR Sapphire on 96 well Cooling Block - 200 µl	GREINER	652270	
C	Tube Rack	Rack for 1.5 ml microcentrifuge tubes - 1500 µl	INTEGRA	4540	6x8 1.5 ml microcentrifuge tubes
D	Waste				



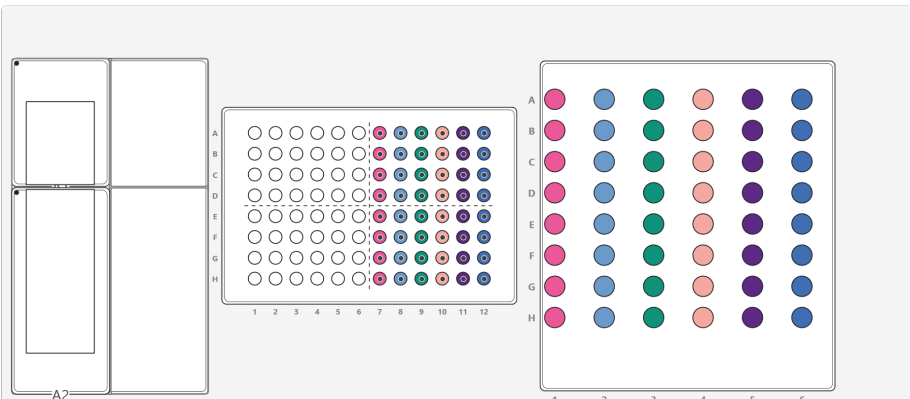
Method

Step	Description																																																																																				
1 Initial Volum...	<div><div></div><div></div><div><div>5000 µl</div><div>8000 µl</div><div>50 µl</div></div></div>																																																																																				
2 Repeat Dispen...	<div><div></div><div><p>Time: 4 min 3 sec</p><p>Used Tips: 48</p><p>Description: Add lysis buffer (1/2)</p></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>A</td><td>A2</td><td>19 mm</td><td>C</td><td>A1-H1</td><td>16 mm</td><td>50</td></tr><tr><td>2</td><td>A</td><td>A2</td><td>19 mm</td><td>C</td><td>A2-H2</td><td>16 mm</td><td>50</td></tr><tr><td>3</td><td>A</td><td>A2</td><td>19 mm</td><td>C</td><td>A3-H3</td><td>16 mm</td><td>50</td></tr><tr><td>4</td><td>A</td><td>A2</td><td>19 mm</td><td>C</td><td>A4-H4</td><td>16 mm</td><td>50</td></tr><tr><td>5</td><td>A</td><td>A2</td><td>19 mm</td><td>C</td><td>A5-H5</td><td>16 mm</td><td>50</td></tr><tr><td>6</td><td>A</td><td>A2</td><td>19 mm</td><td>C</td><td>A6-H6</td><td>16 mm</td><td>50</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: A2: 4.5 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>8</td></tr><tr><td>Aspiration Delay</td><td>0</td></tr><tr><td>Dispense Speed</td><td>8</td></tr><tr><td>Dispense Delay</td><td>0</td></tr><tr><td>Aspirate</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	A	A2	19 mm	C	A1-H1	16 mm	50	2	A	A2	19 mm	C	A2-H2	16 mm	50	3	A	A2	19 mm	C	A3-H3	16 mm	50	4	A	A2	19 mm	C	A4-H4	16 mm	50	5	A	A2	19 mm	C	A5-H5	16 mm	50	6	A	A2	19 mm	C	A6-H6	16 mm	50	Tab	Parameter	Set value	Pipetting location	Source: Tip Spacing	Source: A2: 4.5 mm	Target: Tip Spacing	Target: 13.5 mm	Volumes	Volume Dispense Type	Fix Single	Pipetting Speeds	Aspiration Speed	8	Aspiration Delay	0	Dispense Speed	8	Dispense Delay	0	Aspirate	No
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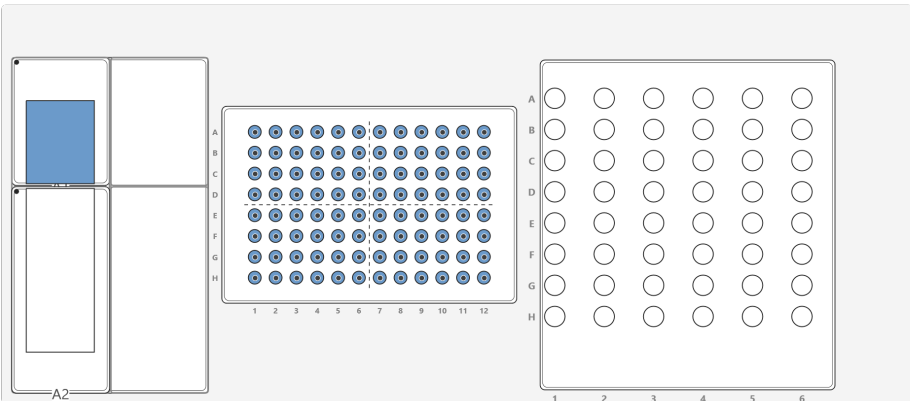
Step	Description								
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: A2: Fix Yes A2: 0 mm Target: Fix Yes 2 mm						
	Tip Change	Tip Change	After each dispense						
	Mix	Source: Mixing Target: Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height	Source: No Target: Yes 50 µl 4 8 Yes 17.6 mm						
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes Side 3.9 mm 47.5 mm						
3 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>900 Yes</td></tr></table>			Tab	Parameter	Set value	Delay	Delay Time Skip Delay by RUN	900 Yes
Tab	Parameter	Set value							
Delay	Delay Time Skip Delay by RUN	900 Yes							
Description: Incubate plate									
4 Transfer 									
Time: 2 min 58 sec Used Tips: 48 Description: Transfer to pcr plate (1/2)	<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	C	A1-H1	16 mm	B	A1-H1	24.3 mm
	2	C	A2-H2	16 mm	B	A2-H2	24.3 mm
	3	C	A3-H3	16 mm	B	A3-H3	24.3 mm
	4	C	A4-H4	16 mm	B	A4-H4	24.3 mm
	5	C	A5-H5	16 mm	B	A5-H5	24.3 mm
	6	C	A6-H6	16 mm	B	A6-H6	24.3 mm
	Pipetting settings						
	Tab		Parameter		Set value		
	Pipetting location		Source: Tip Spacing Target: Tip Spacing		Source: 13.5 mm Target: 9 mm		
	Volumes		Volume		Fix		
	Pipetting Speeds		Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate		8 0 8 0 No		
	Pipetting Height		Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset		Source: Fix Yes 2 mm Target: Fix Yes 2 mm		
	Tip Change		Tip Change		After each transfer		
	Mix		Source: Mixing Target: Mixing		Source: No Target: No		
	Tip Touch		Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height		Yes Side 2.3 mm 30.9 mm		

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5 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>Change sample tube rack</td></tr></table>	Tab	Parameter	Set value	Message	Message Line 1 Message Line 2 Message Line 3	Change sample tube rack																																																																				
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Time: 4 min 5 sec Used Tips: 48 Description: Add lysis buffer (2/2)																																																																											

Step	Description								
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: A2: Fix Yes A2: 0 mm Target: Fix Yes 2 mm						
	Tip Change	Tip Change	After each dispense						
	Mix	Source: Mixing Target: Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height	Source: No Target: Yes 50 µl 4 8 Yes 16 mm						
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes Side 3.9 mm 47.5 mm						
7 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>900 Yes</td></tr></table>			Tab	Parameter	Set value	Delay	Delay Time Skip Delay by RUN	900 Yes
Tab	Parameter	Set value							
Delay	Delay Time Skip Delay by RUN	900 Yes							
Description: Incubate plate									
8 Transfer 									
Time: 2 min 55 sec Used Tips: 48 Description: Transfer to pcr plate (2/2)	<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	C	A1-H1	16 mm	B	A7-H7	23.6 mm
	2	C	A2-H2	16 mm	B	A8-H8	23.6 mm
	3	C	A3-H3	16 mm	B	A9-H9	23.6 mm
	4	C	A4-H4	16 mm	B	A10-H10	23.6 mm
	5	C	A5-H5	16 mm	B	A11-H11	23.6 mm
	6	C	A6-H6	16 mm	B	A12-H12	23.6 mm
	Pipetting settings						
	Tab		Parameter		Set value		
	Pipetting location		Source: Tip Spacing Target: Tip Spacing		Source: 13.5 mm Target: 9 mm		
	Volumes		Volume		Fix		
	Pipetting Speeds		Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate		8 0 8 0 No		
	Pipetting Height		Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset		Source: Fix Yes 2 mm Target: Fix No 1.3 mm		
	Tip Change		Tip Change		After each transfer		
	Mix		Source: Mixing Target: Mixing		Source: No Target: No		
	Tip Touch		Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height		Yes Side 2.3 mm 31.4 mm		

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10 Repeat Dispense...  Time: 6 min 20 sec Used Tips: 96 Description: Add MMX into PCR plate	<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>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A1-H1</td><td>21 mm</td><td>39</td></tr><tr><td>2</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A2-H2</td><td>21 mm</td><td>39</td></tr><tr><td>3</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A3-H3</td><td>21 mm</td><td>39</td></tr><tr><td>4</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A4-H4</td><td>21 mm</td><td>39</td></tr><tr><td>5</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A5-H5</td><td>21 mm</td><td>39</td></tr><tr><td>6</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A6-H6</td><td>21 mm</td><td>39</td></tr><tr><td>7</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A7-H7</td><td>21 mm</td><td>39</td></tr><tr><td>8</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A8-H8</td><td>21 mm</td><td>39</td></tr><tr><td>9</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A9-H9</td><td>21 mm</td><td>39</td></tr><tr><td>10</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A10-H10</td><td>21 mm</td><td>39</td></tr><tr><td>11</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A11-H11</td><td>21 mm</td><td>39</td></tr><tr><td>12</td><td>A</td><td>A1</td><td>19 mm</td><td>B</td><td>A12-H12</td><td>21 mm</td><td>39</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: A1: 4.5 mm Target: 9 mm</td></tr><tr><td>Volumes</td><td>Volume Dispense Type</td><td>Fix Single</td></tr></table>	Step	Source			Target			Volume [µl]	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	1	A	A1	19 mm	B	A1-H1	21 mm	39	2	A	A1	19 mm	B	A2-H2	21 mm	39	3	A	A1	19 mm	B	A3-H3	21 mm	39	4	A	A1	19 mm	B	A4-H4	21 mm	39	5	A	A1	19 mm	B	A5-H5	21 mm	39	6	A	A1	19 mm	B	A6-H6	21 mm	39	7	A	A1	19 mm	B	A7-H7	21 mm	39	8	A	A1	19 mm	B	A8-H8	21 mm	39	9	A	A1	19 mm	B	A9-H9	21 mm	39	10	A	A1	19 mm	B	A10-H10	21 mm	39	11	A	A1	19 mm	B	A11-H11	21 mm	39	12	A	A1	19 mm	B	A12-H12	21 mm	39	Tab	Parameter	Set value	Pipetting location	Source: Tip Spacing Target: Tip Spacing	Source: A1: 4.5 mm Target: 9 mm	Volumes	Volume Dispense Type	Fix Single
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Volumes	Volume Dispense Type	Fix Single																																																																																																																						

Step	Description		
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
	Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: A1: Fix Yes A1: 0 mm Target: Fix Yes 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	Source: Mixing Target: Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height	Source: No Target: Yes 10 µl 3 8 No 25.3 mm
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes Side 2.3 mm 30.9 mm

Run Protocol

Program Name
Program Name (on pipette)

Sansure-HPV-diagnostic-kit-96-wells.iaa
HPV 96 well

Instrument - Serial Number
ASSIST PLUS

Pipette - Serial Number
VOYAGER - 50µl - 8CH

Pipette Tips - Lot Number
50/125 µl GripTip, Sterile, Filter

Notes:

Run Operator:

Run Date:

Run Start Time:

Run End Time:

Signature: