Samples-qPCR Report

Program Name (on pipette)
Samples_qPCR

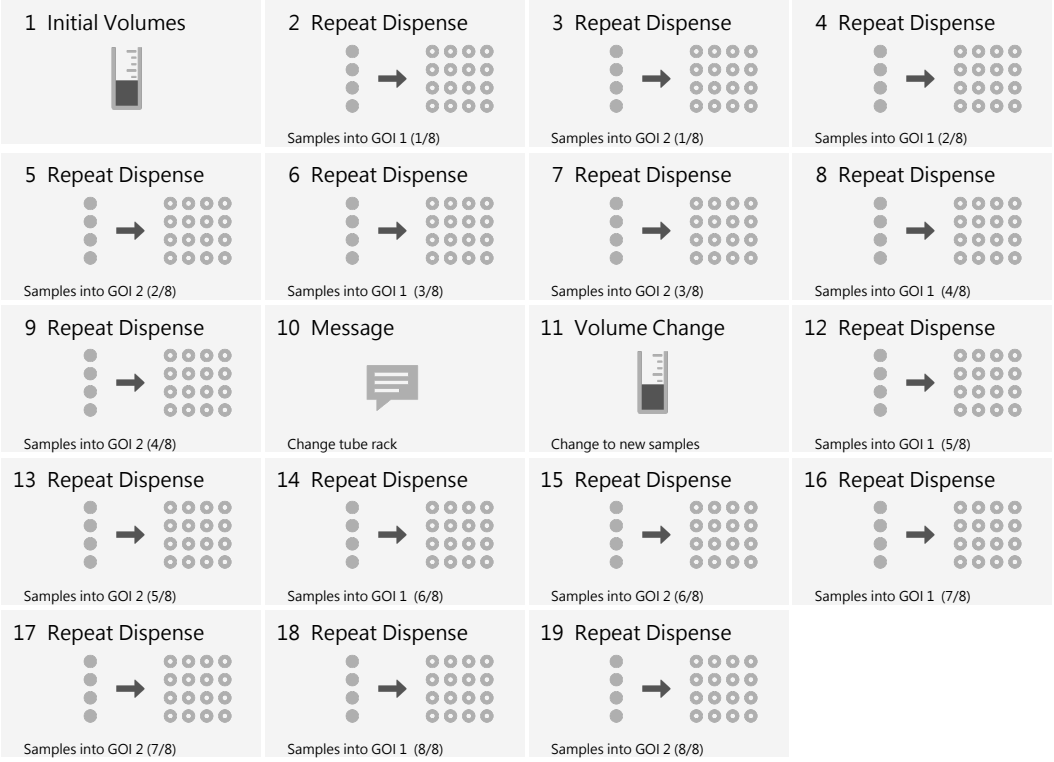
INTEGRA VIALAB

User Credentials

Name: PRa2
Date: 6. Aug. 2020

Overview Method

VOYAGER - 12.5µl - 8CH

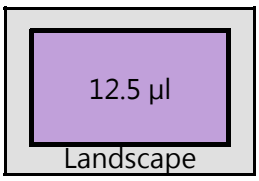


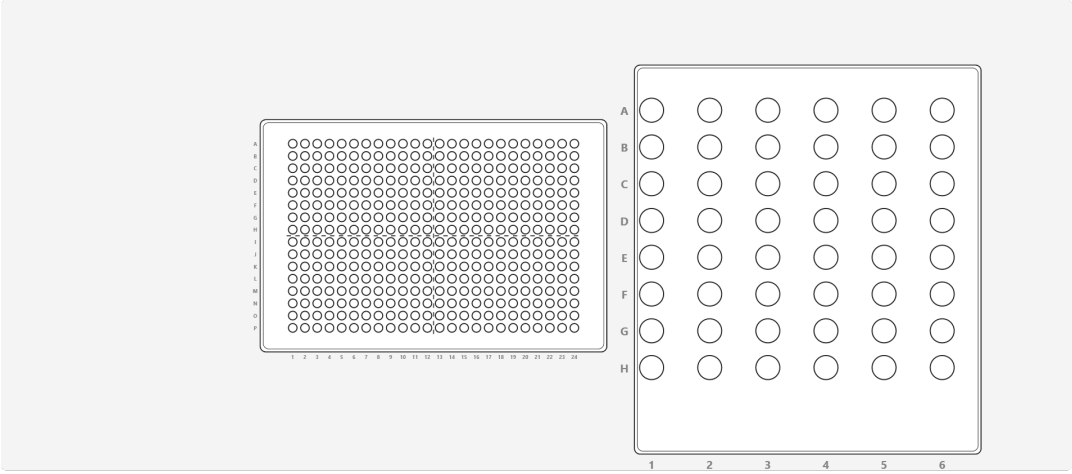
Total Time: 9 min 21 sec
Total Tip Consumption: 128

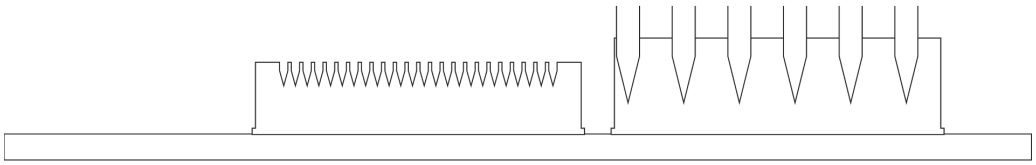
Description

Sample trasfer programm for qPCR

Deck Layout







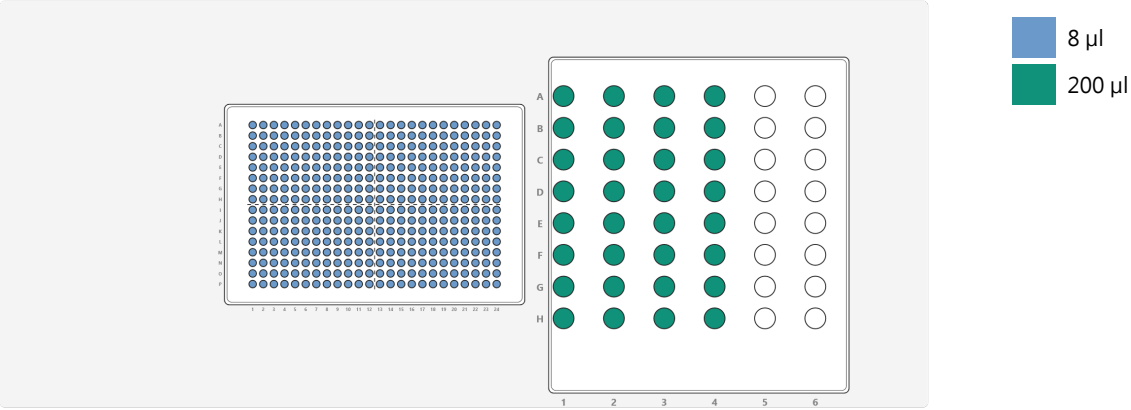
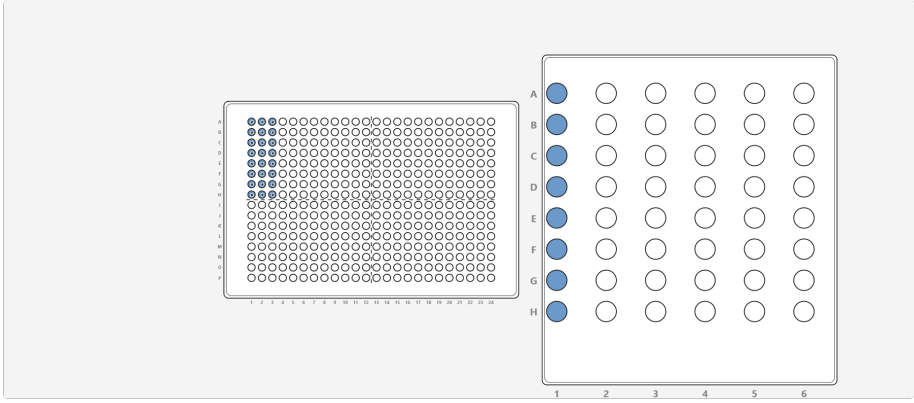
Pipette & Deck

Labware	Name	Manufacturer	Part Number
Pipette	VOYAGER 12.5µl 8 channels	INTEGRA	4721
Pipette Tip	12.5 µl GripTip, Sterile, Filter	INTEGRA	6455
Deck	3 Position Universal Deck	INTEGRA	4520

Deck Labware

Deck Position	Labware	Name	Manufacturer	Part Number	Description
B	Plate	384 well PCR Sapphire on 384 well Cooling Block - 45 µl	GREINER	785201	
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...	
2 Repeat Dispen... **Time:** 0 min 33 sec **Used Tips:** 8 **Description:** Samples into GOI 1 (1/8)	

Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	23.8 mm	B	A1-H1	25 mm	2.5
2	C	A1-H1	23.8 mm	B	A2-H2	25 mm	2.5
3	C	A1-H1	23.8 mm	B	A3-H3	25 mm	2.5

Pipetting settings

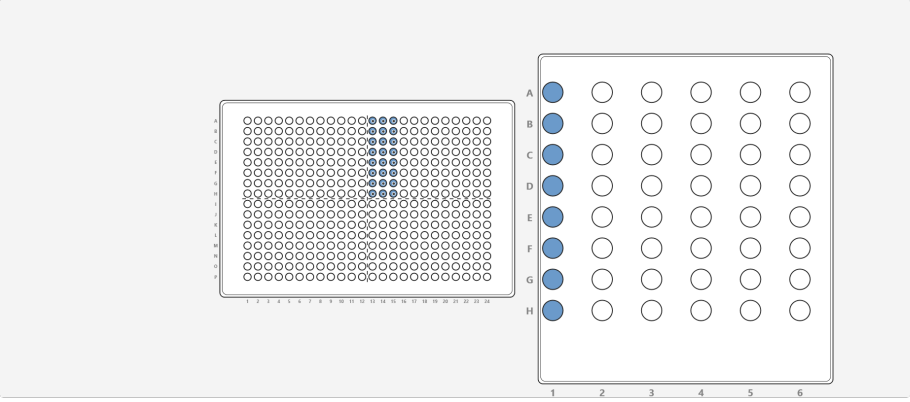
Step	Description

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
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:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

3 Repeat Dispen...

Time:
0 min 34 sec
Used Tips:
8

Description:
Samples into GOI 2 (1/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	23.6 mm	B	A13-H13	25 mm	2.5

Step	Description

2	C	A1-H1	23.6 mm	B	A14-H14	25 mm	2.5
3	C	A1-H1	23.6 mm	B	A15-H15	25 mm	2.5

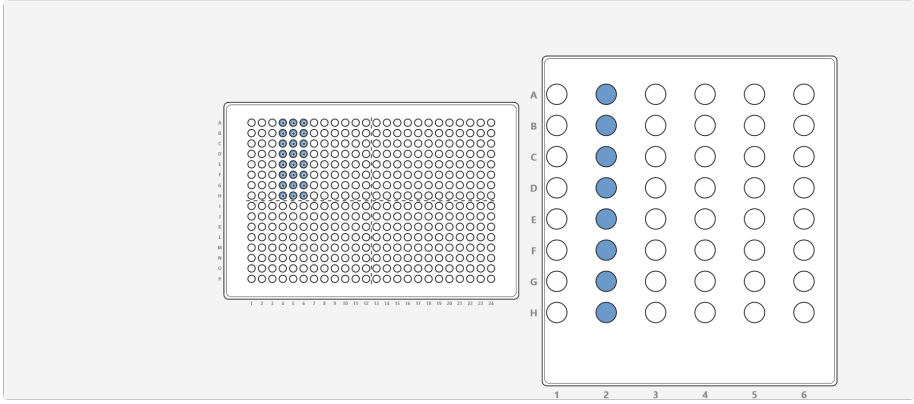
Pipetting settings

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
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:** Variable Yes 2 mm **Target:** Variable No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

4 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 1 (2/8)



Summary individual transfers

Step	Description

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A2-H2	23.8 mm	B	A4-H4	25 mm	2.5
2	C	A2-H2	23.8 mm	B	A5-H5	25 mm	2.5
3	C	A2-H2	23.8 mm	B	A6-H6	25 mm	2.5

Pipetting settings

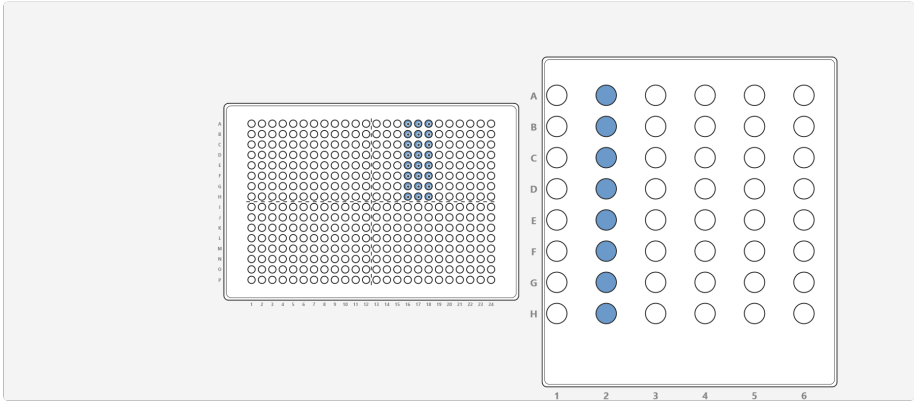
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

5 Repeat Dispen...

Time:
0 min 34 sec
Used Tips:
8

Description:
Samples into GOI 2 (2/8)

Step	Description



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A2-H2	23.6 mm	B	A16-H16	25 mm	2.5
2	C	A2-H2	23.6 mm	B	A17-H17	25 mm	2.5
3	C	A2-H2	23.6 mm	B	A18-H18	25 mm	2.5

Pipetting settings

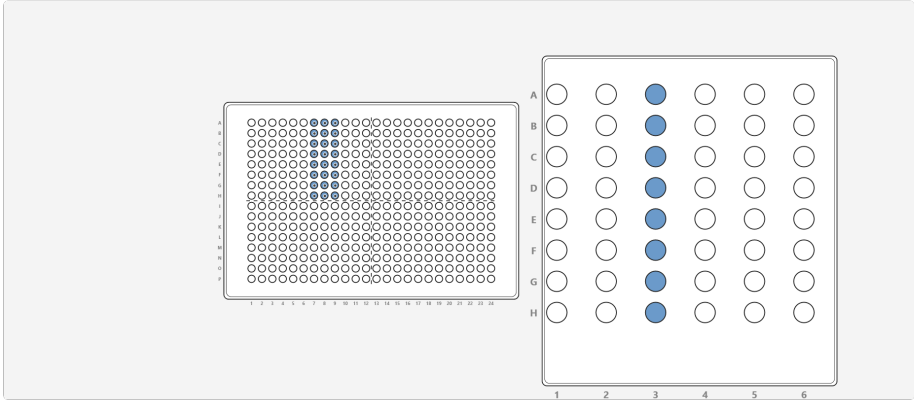
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After step complete
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

6 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 1 (3/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	23.8 mm	B	A7-H7	25 mm	2.5
2	C	A3-H3	23.8 mm	B	A8-H8	25 mm	2.5
3	C	A3-H3	23.8 mm	B	A9-H9	25 mm	2.5

Pipetting settings

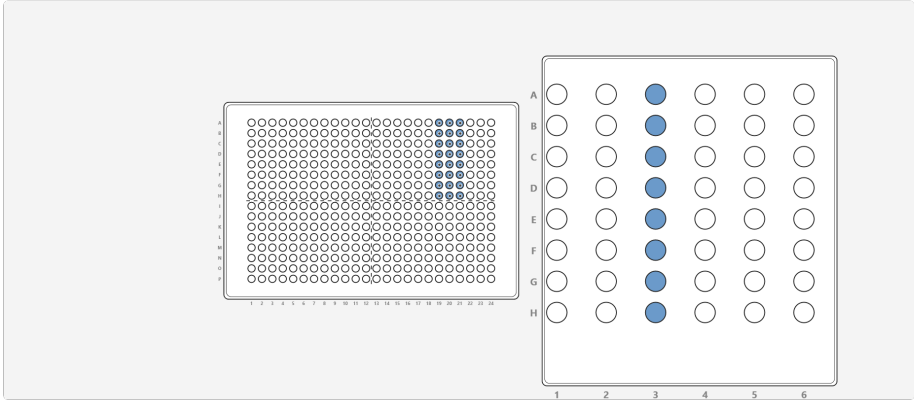
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After step complete

Step	Description		
	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 1.1 mm 25 mm

7 Repeat Dispen...

Time:
0 min 34 sec
Used Tips:
8

Description:
Samples into GOI 2 (3/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	23.6 mm	B	A19-H19	25 mm	2.5
2	C	A3-H3	23.6 mm	B	A20-H20	25 mm	2.5
3	C	A3-H3	23.6 mm	B	A21-H21	25 mm	2.5

Pipetting settings

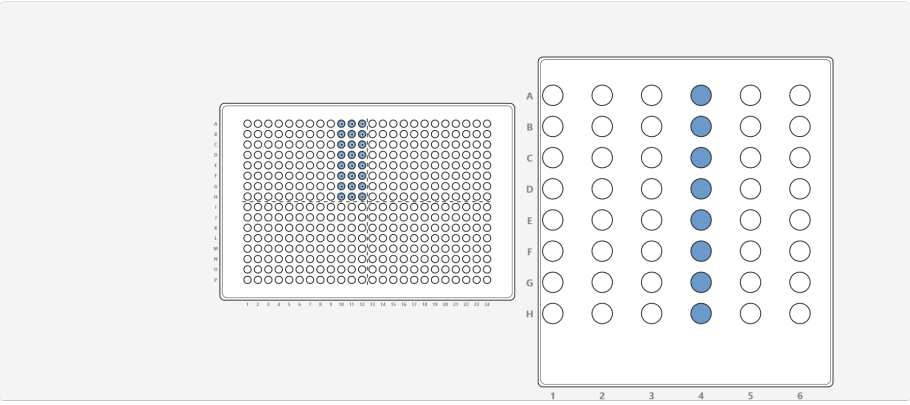
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No

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 No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

8 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 1 (4/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A4-H4	23.8 mm	B	A10-H10	25 mm	2.5
2	C	A4-H4	23.8 mm	B	A11-H11	25 mm	2.5
3	C	A4-H4	23.8 mm	B	A12-H12	25 mm	2.5

Pipetting settings

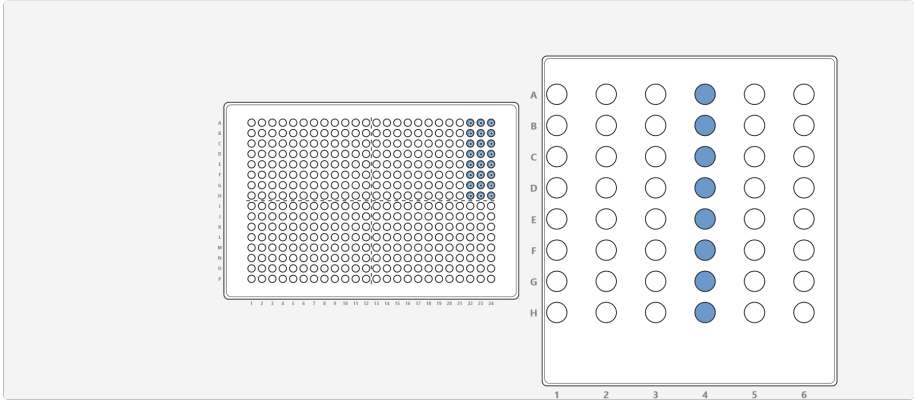
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi

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:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

9 Repeat Dispen...

Time:
0 min 34 sec
Used Tips:
8

Description:
Samples into GOI 2 (4/8)

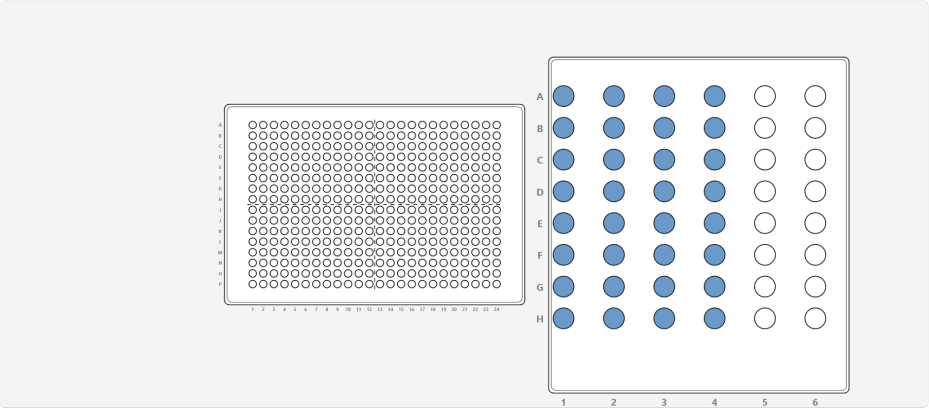
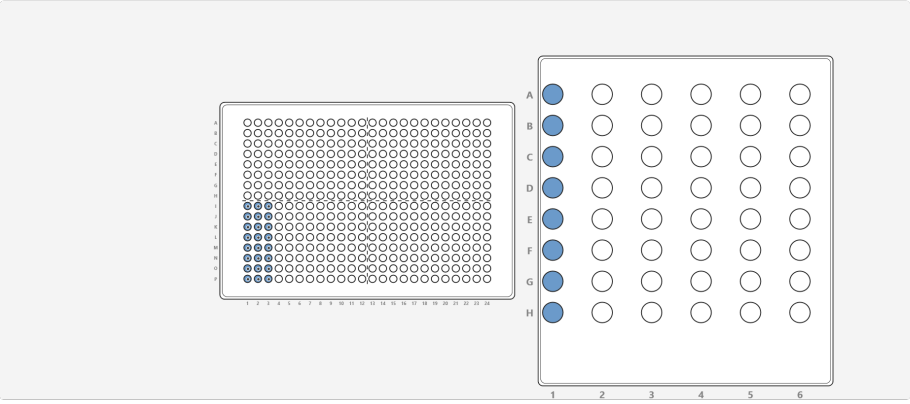


Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A4-H4	23.6 mm	B	A22-H22	25 mm	2.5
2	C	A4-H4	23.6 mm	B	A23-H23	25 mm	2.5
3	C	A4-H4	23.6 mm	B	A24-H24	25 mm	2.5

Pipetting settings

Step	Description		
	Tab	**Parameter**	**Set value**
	Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
	Volumes	Volume Dispense Type	Fix Multi
	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:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm
10 Message **Description:** Change tube rack	Pipetting settings		
	Tab	**Parameter**	**Set value**
	Message	Message Line 1 Message Line 2 Message Line 3	Change tube rack

Step	Description
11 Volume Change **Description:** Change to new samples	
12 Repeat Dispen... **Time:** 0 min 35 sec **Used Tips:** 8 **Description:** Samples into GOI 1 (5/8)	 Summary individual transfers Pipetting settings

Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	23.8 mm	B	I1-P1	25 mm	2.5
2	C	A1-H1	23.8 mm	B	I2-P2	25 mm	2.5
3	C	A1-H1	23.8 mm	B	I3-P3	25 mm	2.5

Pipetting settings

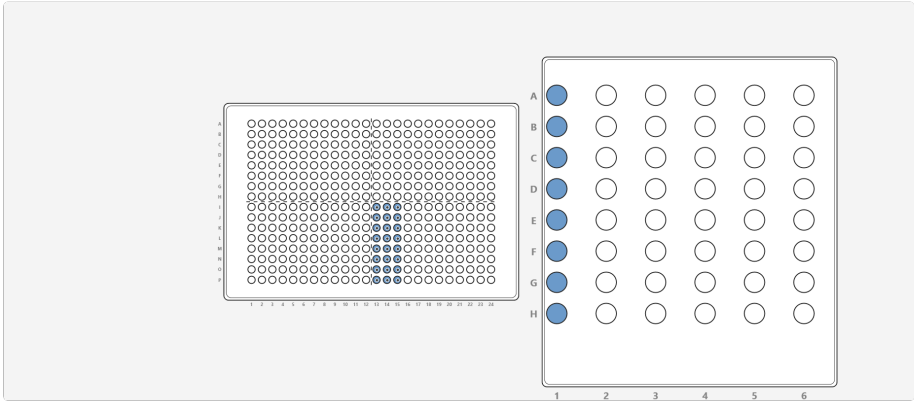
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No

Step	Description		
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Variable No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

13 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 2 (5/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	23.6 mm	B	I13-P13	25 mm	2.5
2	C	A1-H1	23.6 mm	B	I14-P14	25 mm	2.5
3	C	A1-H1	23.6 mm	B	I15-P15	25 mm	2.5

Pipetting settings

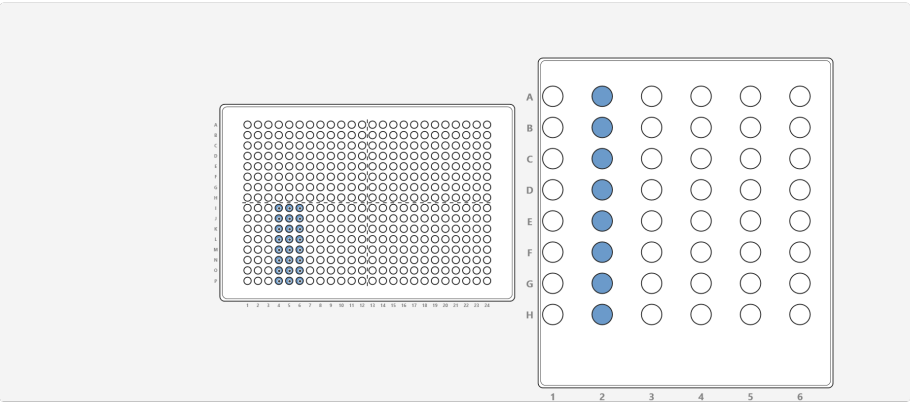
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi

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:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

14 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 1 (6/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A2-H2	23.8 mm	B	I4-P4	25 mm	2.5
2	C	A2-H2	23.8 mm	B	I5-P5	25 mm	2.5
3	C	A2-H2	23.8 mm	B	I6-P6	25 mm	2.5

Pipetting settings

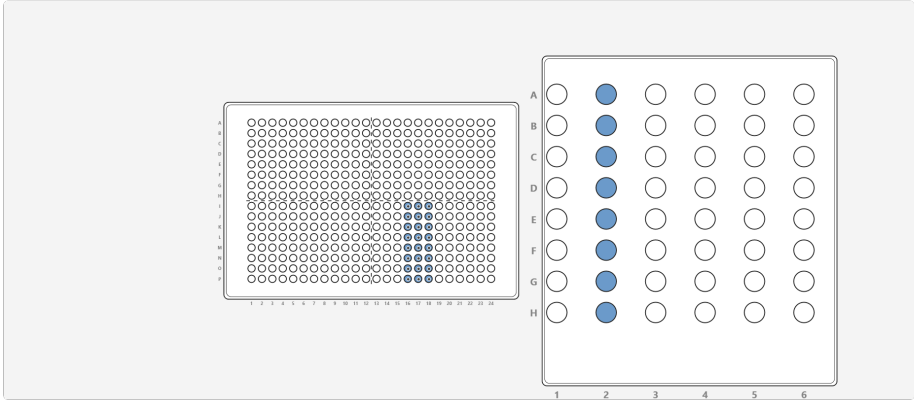
Step	Description

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
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:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

15 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 2 (6/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A2-H2	23.7 mm	B	I16-P16	25 mm	2.5

Step	Description

2	C	A2-H2	23.7 mm	B	I17-P17	25 mm	2.5
3	C	A2-H2	23.7 mm	B	I18-P18	25 mm	2.5

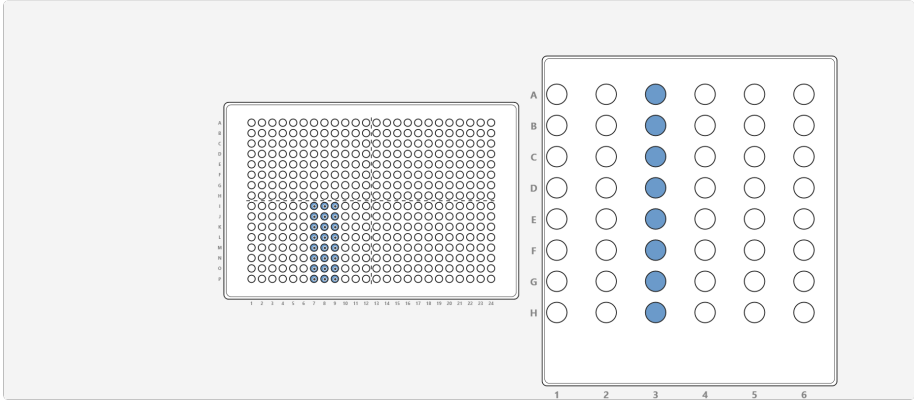
Pipetting settings

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
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:** Variable Yes 2 mm **Target:** Fix No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

16 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Samples into GOI 1 (7/8)



Summary individual transfers

Step	Description

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	23.8 mm	B	I7-P7	25 mm	2.5
2	C	A3-H3	23.8 mm	B	I8-P8	25 mm	2.5
3	C	A3-H3	23.8 mm	B	I9-P9	25 mm	2.5

Pipetting settings

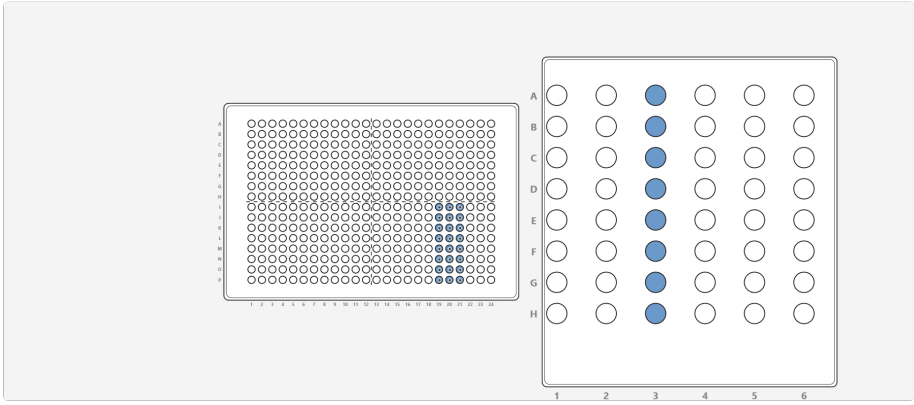
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Fix No 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 25 mm

17 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Samples into GOI 2 (7/8)

Step	Description



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	23.6 mm	B	I19-P19	25 mm	2.5
2	C	A3-H3	23.6 mm	B	I20-P20	25 mm	2.5
3	C	A3-H3	23.6 mm	B	I21-P21	25 mm	2.5

Pipetting settings

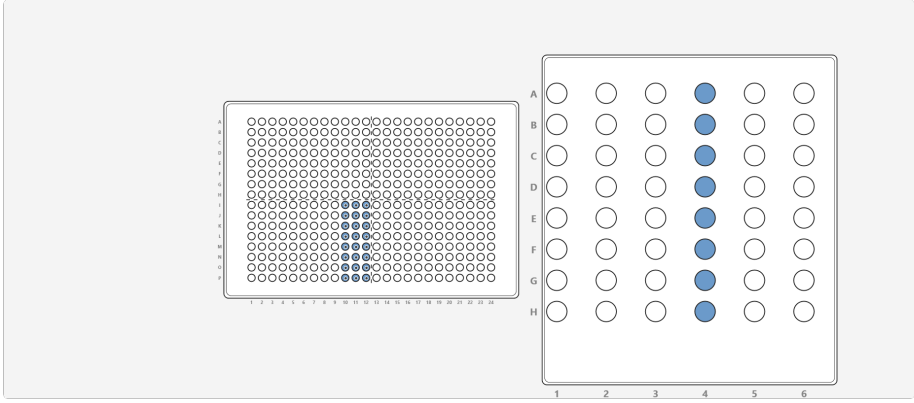
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Variable No 2 mm
Tip Change	Tip Change	After step complete
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 25 mm

18 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 1 (8/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A4-H4	23.8 mm	B	I10-P10	25 mm	2.5
2	C	A4-H4	23.8 mm	B	I11-P11	25 mm	2.5
3	C	A4-H4	23.8 mm	B	I12-P12	25 mm	2.5

Pipetting settings

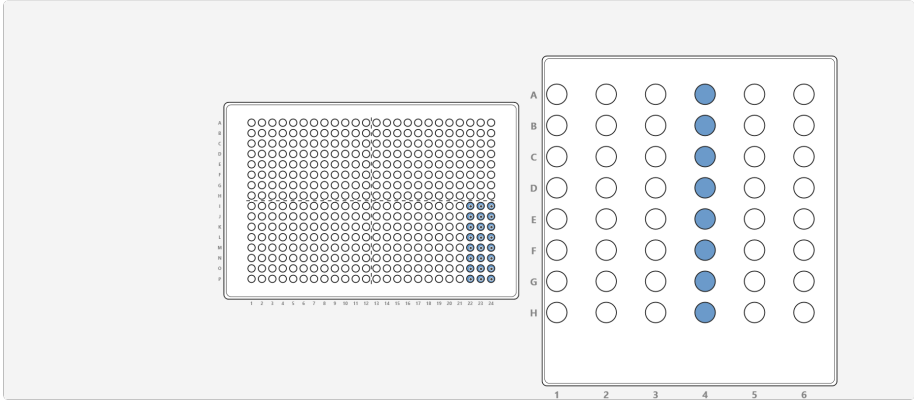
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Variable Yes 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After step complete

Step	Description		
	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 1.1 mm 25 mm

19 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
Samples into GOI 2 (8/8)



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A4-H4	23.6 mm	B	I22-P22	25 mm	2.5
2	C	A4-H4	23.6 mm	B	I23-P23	25 mm	2.5
3	C	A4-H4	23.6 mm	B	I24-P24	25 mm	2.5

Pipetting settings

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 4.5 mm
Volumes	Volume Dispense Type	Fix Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 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 No 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 Distance Tip Touch Height	Yes Side 1.1 mm 25 mm

Run Protocol

Program Name Program Name (on pipette)	Samples-qPCR.iaa Samples_qPCR
Instrument - Serial Number ASSIST PLUS	
Pipette - Serial Number VOYAGER - 12.5µl - 8CH	
Pipette Tips - Lot Number 12.5 µl GripTip, Sterile, Filter	
Notes:	
Run Operator:	
Run Date:	
Run Start Time:	
Run End Time:	
Signature:	