7_E_Substrate Report

Program Name (on pipette)
7_E_Substrate

INTEGRA VIALAB

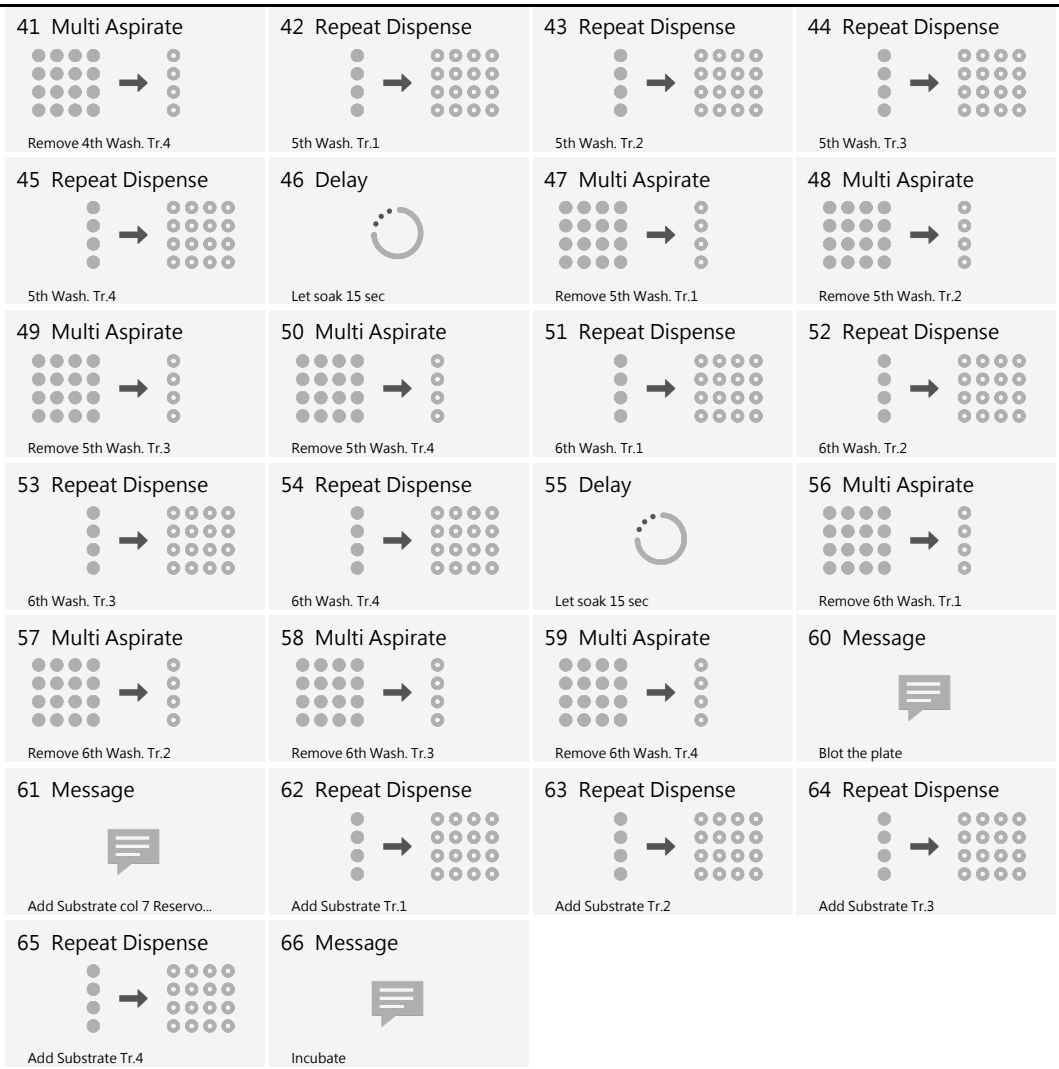
User Credentials

Name: LSa
Date: 3. Mar. 2020

Overview Method

VOYAGER - 1,250µl - 8CH

1 Initial Volumes	2 Multi Aspirate Remove Solution Tr.1	3 Multi Aspirate Remove Solution Tr.2	4 Multi Aspirate Remove Solution Tr.3
5 Multi Aspirate Remove Solution Tr.4	6 Repeat Dispense 1st Wash. Tr.1	7 Repeat Dispense 1st Wash. Tr.2	8 Repeat Dispense 1st Wash. Tr.3
9 Repeat Dispense 1st Wash. Tr.4	10 Delay Let soak 15 sec	11 Multi Aspirate Remove 1st Wash. Tr.1	12 Multi Aspirate Remove 1st Wash. Tr.2
13 Multi Aspirate Remove 1st Wash. Tr.3	14 Multi Aspirate Remove 1st Wash. Tr.4	15 Repeat Dispense 2nd Wash. Tr.1	16 Repeat Dispense 2nd Wash. Tr.2
17 Repeat Dispense 2nd Wash. Tr.3	18 Repeat Dispense 2nd Wash. Tr.4	19 Delay Let soak 15 sec	20 Multi Aspirate Remove 2nd Wash. Tr.1
21 Multi Aspirate Remove 2nd Wash. Tr.2	22 Multi Aspirate Remove 2nd Wash. Tr.3	23 Multi Aspirate Remove 2nd Wash. Tr.4	24 Repeat Dispense 3rd Wash. Tr.1
25 Repeat Dispense 3rd Wash. Tr.2	26 Repeat Dispense 3rd Wash. Tr.3	27 Repeat Dispense 3rd Wash. Tr.4	28 Delay Let soak 15 sec
29 Multi Aspirate Remove 3rd Wash. Tr.1	30 Multi Aspirate Remove 3rd Wash. Tr.2	31 Multi Aspirate Remove 3rd Wash. Tr.3	32 Multi Aspirate Remove 3rd Wash. Tr.4
33 Repeat Dispense 4th Wash. Tr.1	34 Repeat Dispense 4th Wash. Tr.2	35 Repeat Dispense 4th Wash. Tr.3	36 Repeat Dispense 4th Wash. Tr.4
37 Delay Let soak 15 sec	38 Multi Aspirate Remove 4th Wash. Tr.1	39 Multi Aspirate Remove 4th Wash. Tr.2	40 Multi Aspirate Remove 4th Wash. Tr.3



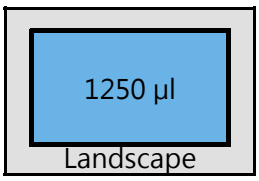
Total Time: 33 min 58 sec

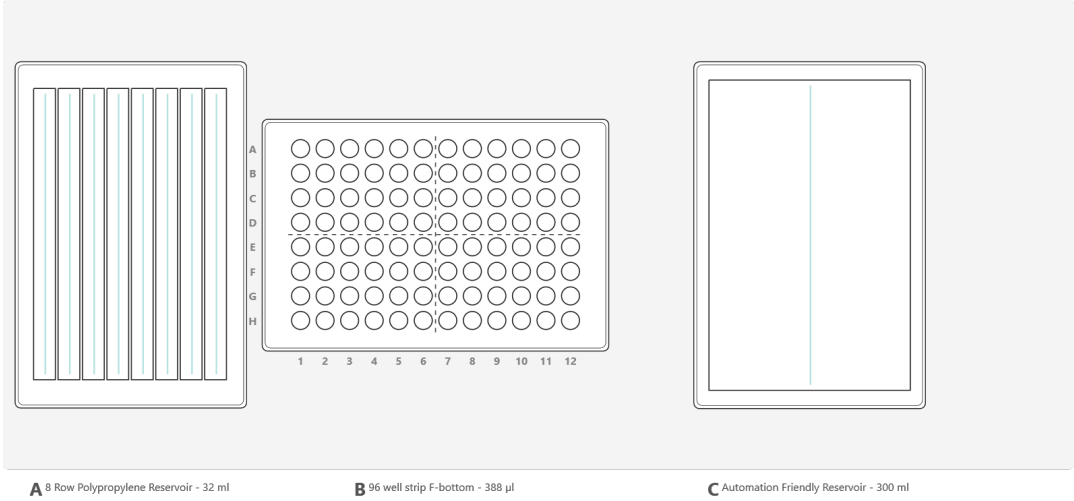
Total Tip Consumption: 448

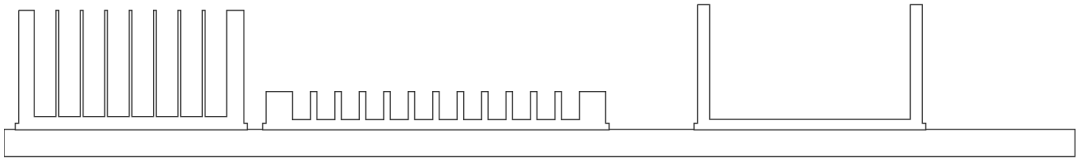
Description

ELISA - Add the substrate

Deck Layout







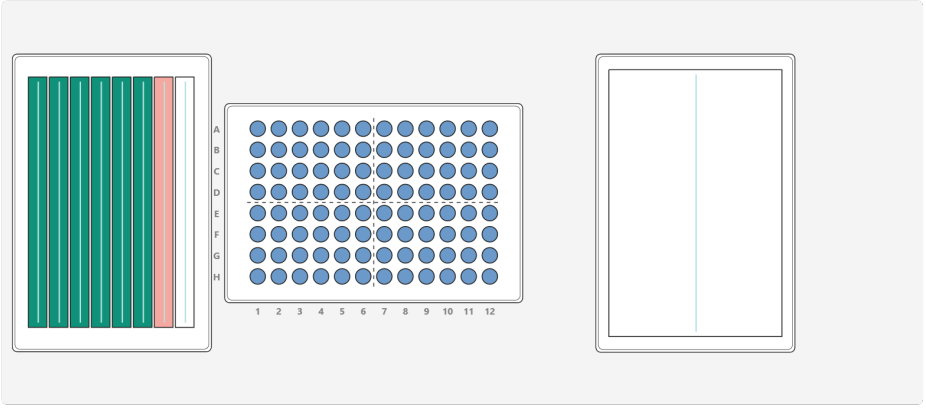
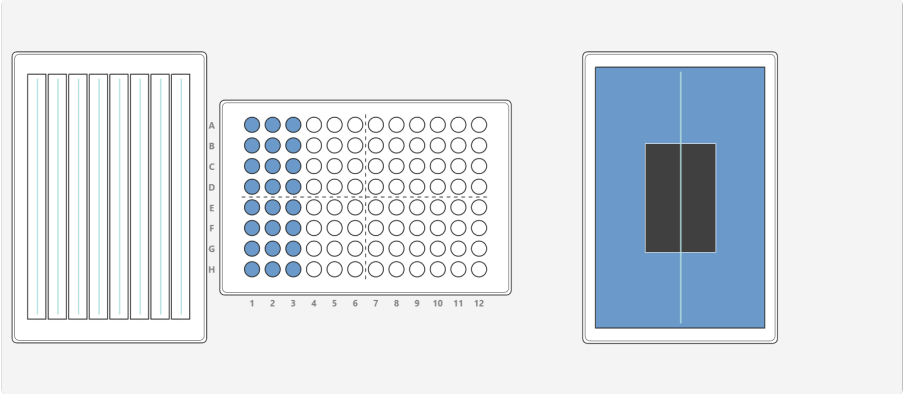
Pipette & Deck

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, 12xF8 strips, PS, F-bottom
C	Reservoir	Automation Friendly Reservoir - 300 ml	INTEGRA	6307, 6327, 6328	

Method

Step	Description
1 Initial Volum...	
2 Multi Aspirate **Time:** 0 min 31 sec **Used Tips:** 8 **Description:** Remove Solution Tr.1	

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	5.7 mm	C	-	6.3 mm	100
2	B	A2-H2	5.7 mm	C	-	6.3 mm	100
3	B	A3-H3	5.7 mm	C	-	6.3 mm	100

Pipetting settings

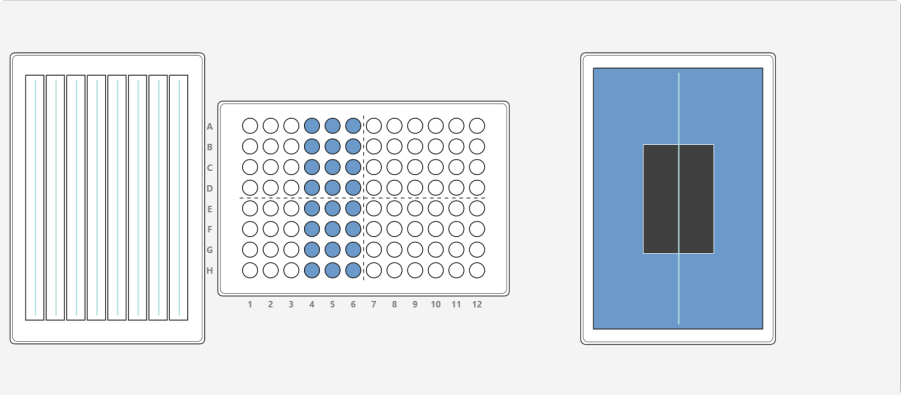
Step	Description

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 Multi Aspirate

Time:
0 min 32 sec
Used Tips:
8

Description:
Remove Solution
Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	5.7 mm	C	-	6.3 mm	100
2	B	A5-H5	5.7 mm	C	-	6.3 mm	100
3	B	A6-H6	5.7 mm	C	-	6.3 mm	100

Step	Description

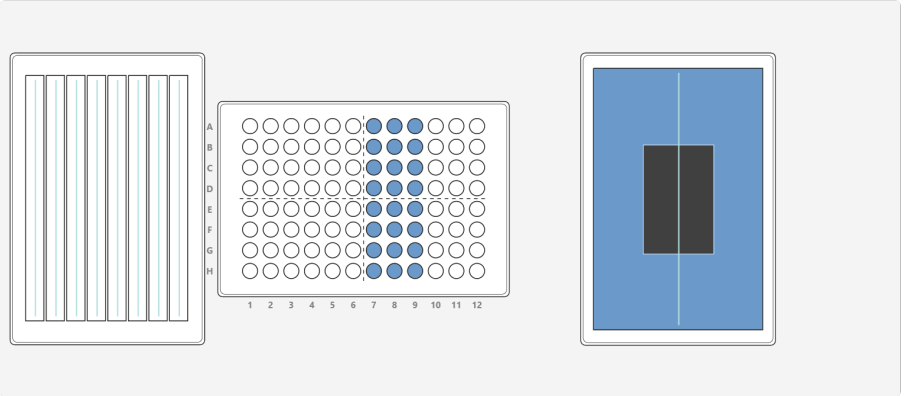
Pipetting settings

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

4 Multi Aspirate

Time:
0 min 32 sec
Used Tips:
8

Description:
Remove Solution
Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	5.7 mm	C	-	6.3 mm	100
2	B	A8-H8	5.7 mm	C	-	6.3 mm	100

Step	Description

3	B	A9-H9	5.7 mm	C	-	6.3 mm	100

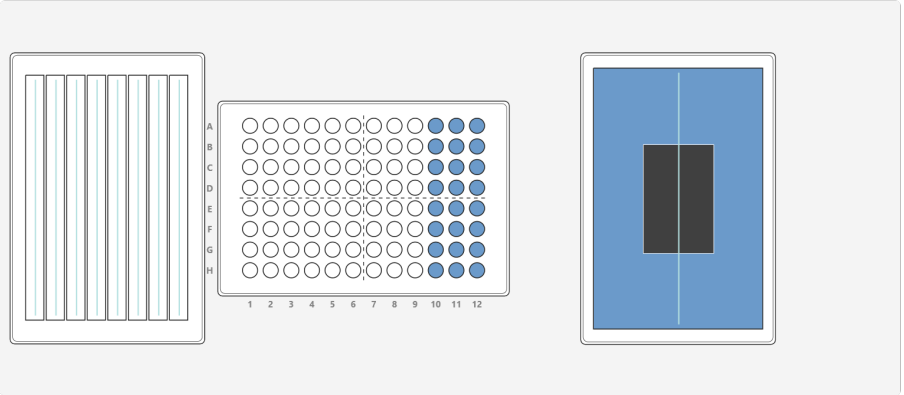
Pipetting settings

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

5 Multi Aspirate

Time:
0 min 32 sec
Used Tips:
8

Description:
Remove Solution
Tr.4



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	B	A10-H10	5.7 mm	C	-	6.3 mm	100
2	B	A11-H11	5.7 mm	C	-	6.3 mm	100
3	B	A12-H12	5.7 mm	C	-	6.3 mm	100

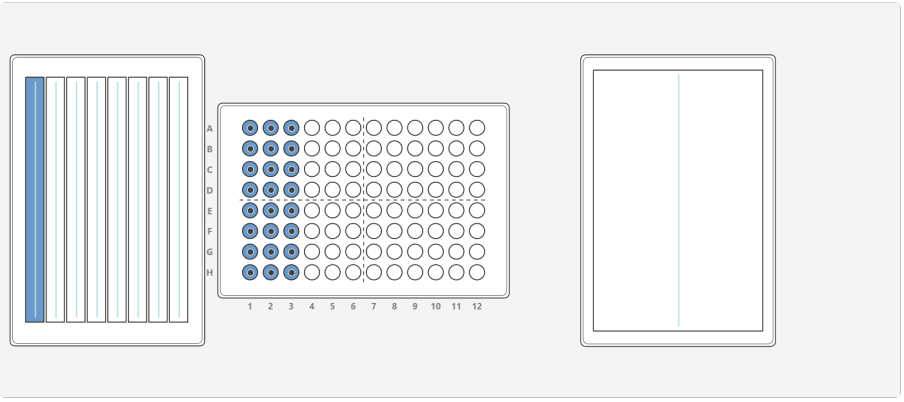
Pipetting settings

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

6 Repeat Dispen...

Time:
0 min 34 sec
Used Tips:
8

Description:
1st Wash. Tr.1



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	A	A1	34 mm	B	A1-H1	5.7 mm	200
2	A	A1	34 mm	B	A2-H2	5.7 mm	200
3	A	A1	34 mm	B	A3-H3	5.7 mm	200

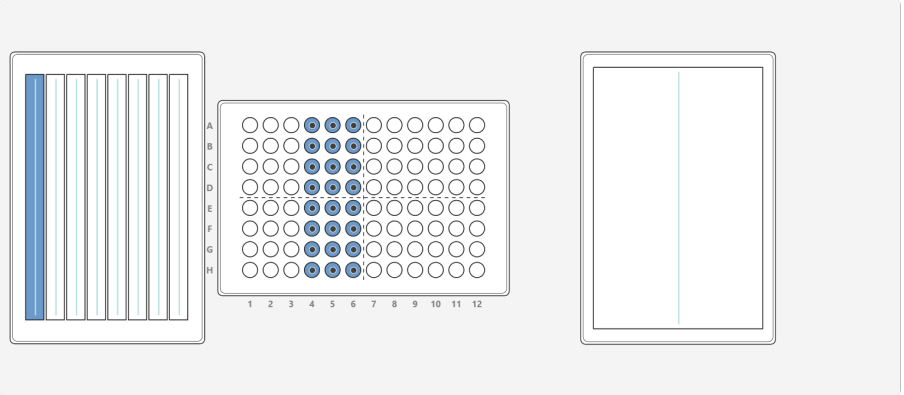
Pipetting settings

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 25 µl Tip 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 9 mm

7 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Step	Description
Description: 1st Wash. Tr.2	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A1	24 mm	B	A4-H4	5.7 mm	200
2	A	A1	24 mm	B	A5-H5	5.7 mm	200
3	A	A1	24 mm	B	A6-H6	5.7 mm	200

Pipetting settings

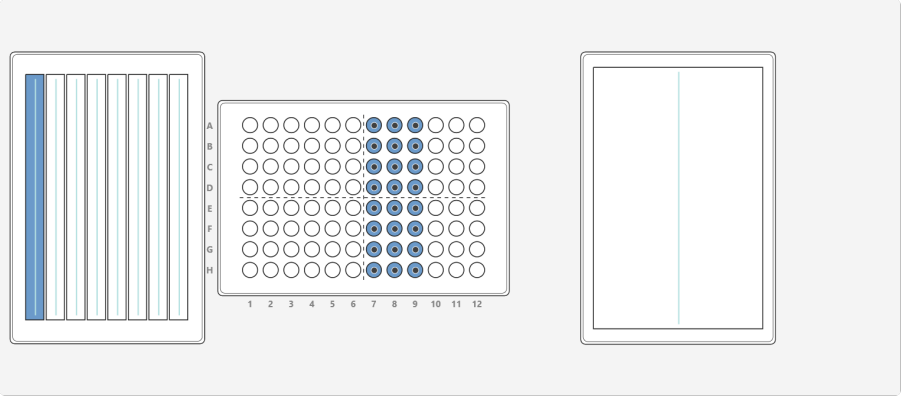
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

8 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
1st Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A1	17.8 mm	B	A7-H7	5.7 mm	200
2	A	A1	17.8 mm	B	A8-H8	5.7 mm	200
3	A	A1	17.8 mm	B	A9-H9	5.7 mm	200

Pipetting settings

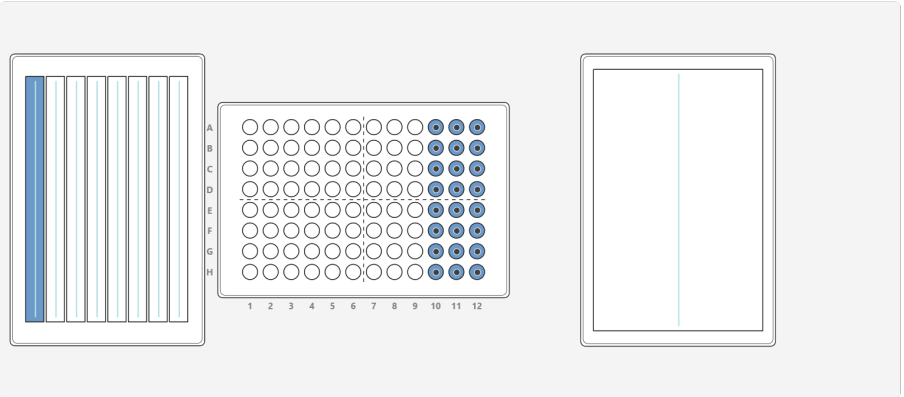
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

9 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
1st Wash. Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A1	13 mm	B	A10-H10	5.7 mm	200
2	A	A1	13 mm	B	A11-H11	5.7 mm	200
3	A	A1	13 mm	B	A12-H12	5.7 mm	200

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 25 µl Tip 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 9 mm

10 Delay

Description:
Let soak 15 sec

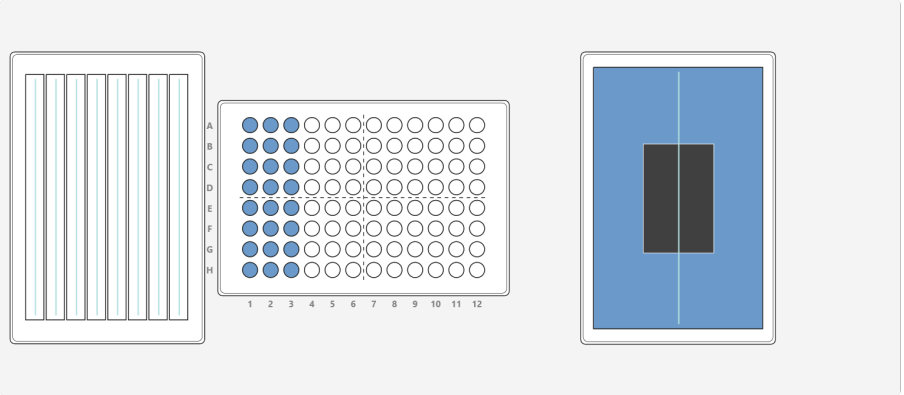
Pipetting settings

Tab	Parameter	Set value
Delay	Delay Time Skip Delay by RUN	15 Yes

11 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 1st Wash. Tr.1



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	8.2 mm	C	-	6.3 mm	200
2	B	A2-H2	8.2 mm	C	-	6.3 mm	200
3	B	A3-H3	8.2 mm	C	-	6.3 mm	200

Pipetting settings

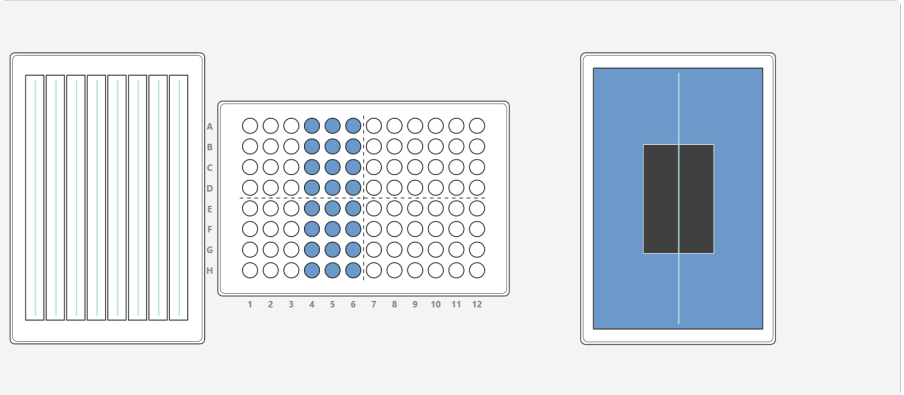
Step	Description

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

12 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 1st Wash. Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	8.2 mm	C	-	7.2 mm	200
2	B	A5-H5	8.2 mm	C	-	7.2 mm	200
3	B	A6-H6	8.2 mm	C	-	7.2 mm	200

Step	Description

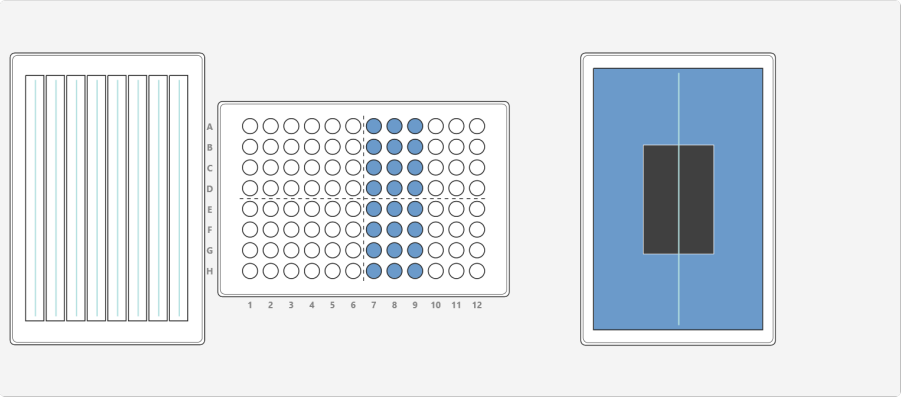
Pipetting settings

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

13 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 1st Wash.
Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	8.2 mm	C	-	7.7 mm	200
2	B	A8-H8	8.2 mm	C	-	7.7 mm	200

Step	Description

3	B	A9-H9	8.2 mm	C	-	7.7 mm	200

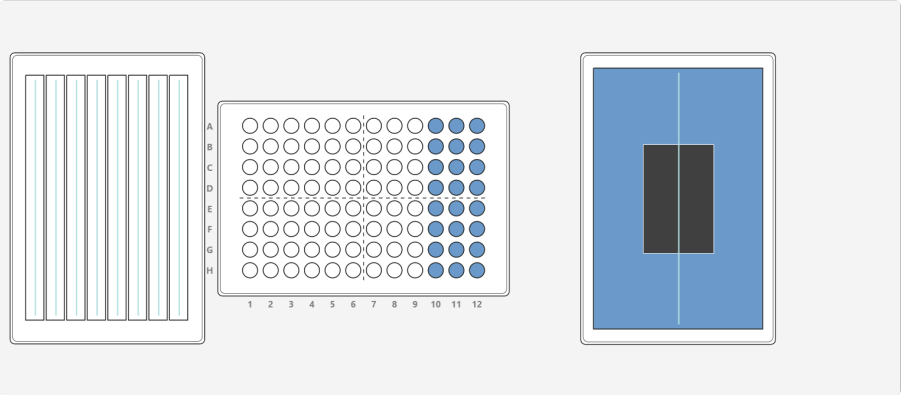
Pipetting settings

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

14 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 1st Wash.
Tr.4



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	B	A10-H10	8.2 mm	C	-	8.3 mm	200
2	B	A11-H11	8.2 mm	C	-	8.3 mm	200
3	B	A12-H12	8.2 mm	C	-	8.3 mm	200

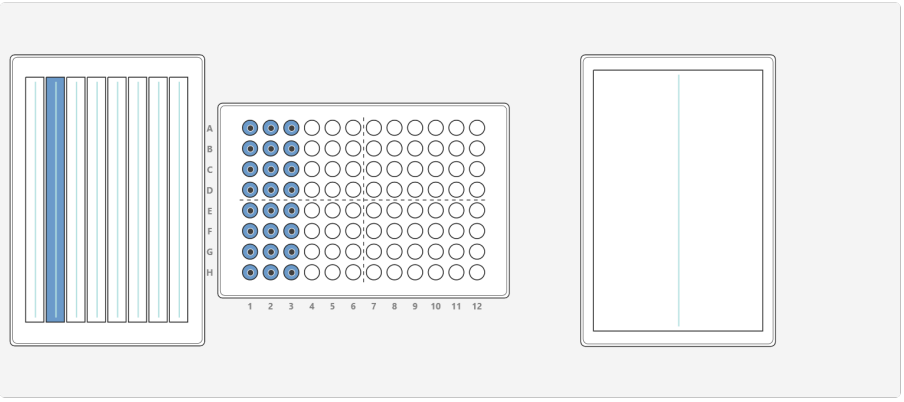
Pipetting settings

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

15 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
2nd Wash. Tr.1



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	A	A2	34 mm	B	A1-H1	5.7 mm	200
2	A	A2	34 mm	B	A2-H2	5.7 mm	200
3	A	A2	34 mm	B	A3-H3	5.7 mm	200

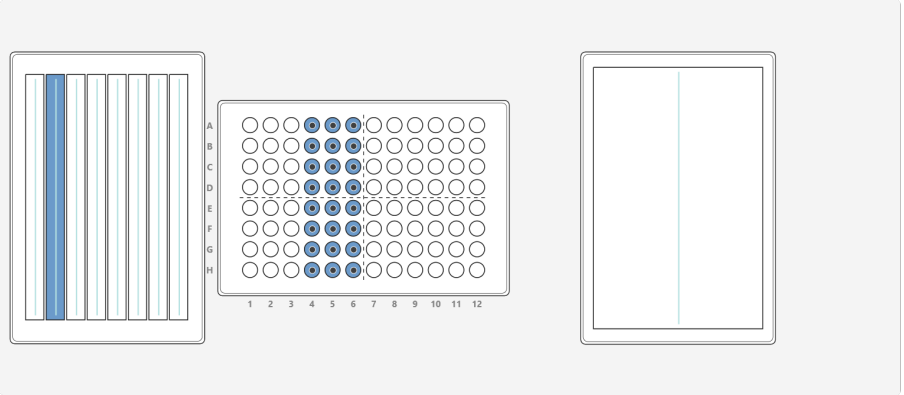
Pipetting settings

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 25 µl Tip 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

16 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Step	Description
Description: 2nd Wash. Tr.2	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A2	24 mm	B	A4-H4	5.7 mm	200
2	A	A2	24 mm	B	A5-H5	5.7 mm	200
3	A	A2	24 mm	B	A6-H6	5.7 mm	200

Pipetting settings

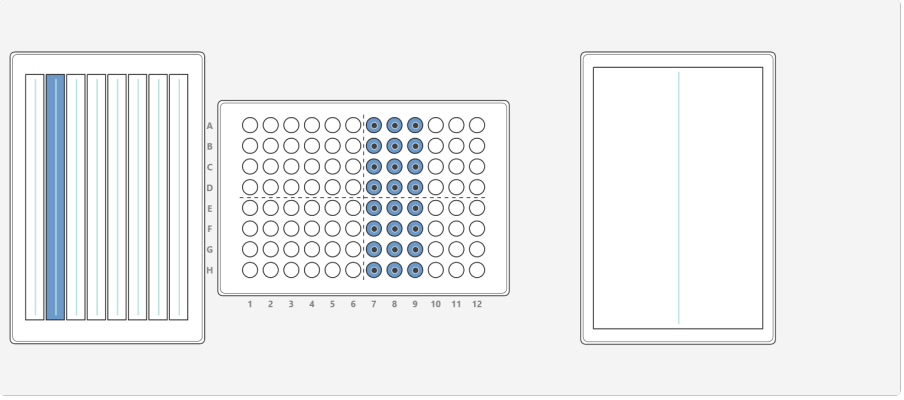
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

17 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
2nd Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A2	17.8 mm	B	A7-H7	5.7 mm	200
2	A	A2	17.8 mm	B	A8-H8	5.7 mm	200
3	A	A2	17.8 mm	B	A9-H9	5.7 mm	200

Pipetting settings

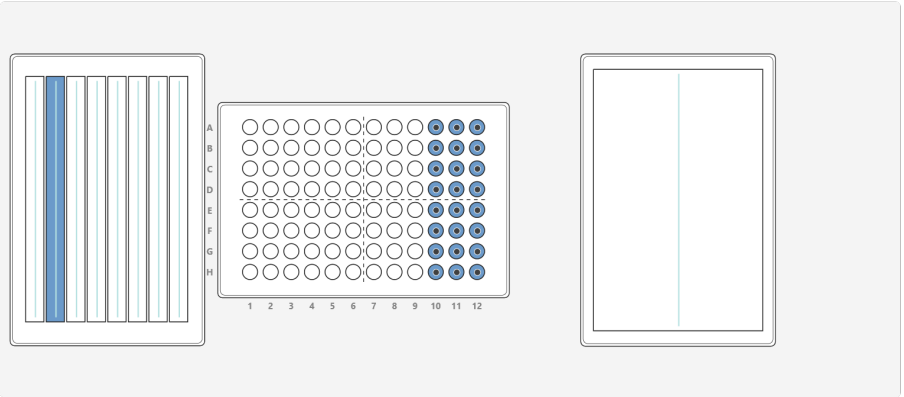
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

18 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
2nd Wash. Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A2	13 mm	B	A10-H10	5.7 mm	200
2	A	A2	13 mm	B	A11-H11	5.7 mm	200
3	A	A2	13 mm	B	A12-H12	5.7 mm	200

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 25 µl Tip 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 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

19 Delay

Description:
Let soak 15 sec

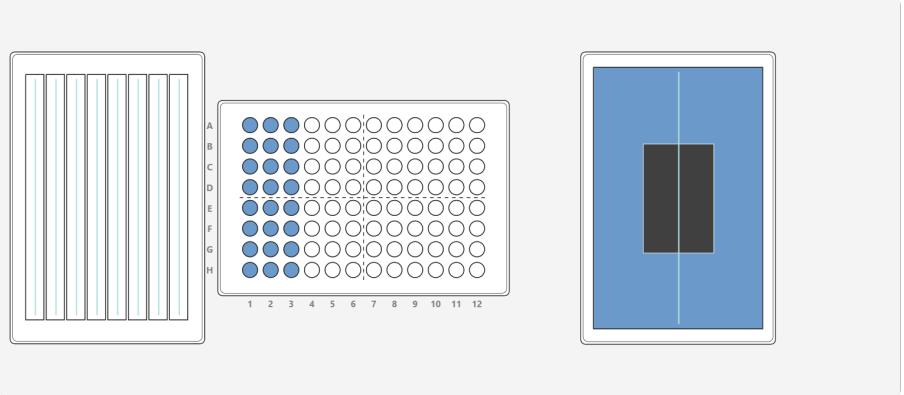
Pipetting settings

Tab	Parameter	Set value
Delay	Delay Time Skip Delay by RUN	15 Yes

20 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 2nd Wash.
Tr.1



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	8.2 mm	C	-	8 mm	200
2	B	A2-H2	8.2 mm	C	-	8 mm	200
3	B	A3-H3	8.2 mm	C	-	8 mm	200

Pipetting settings

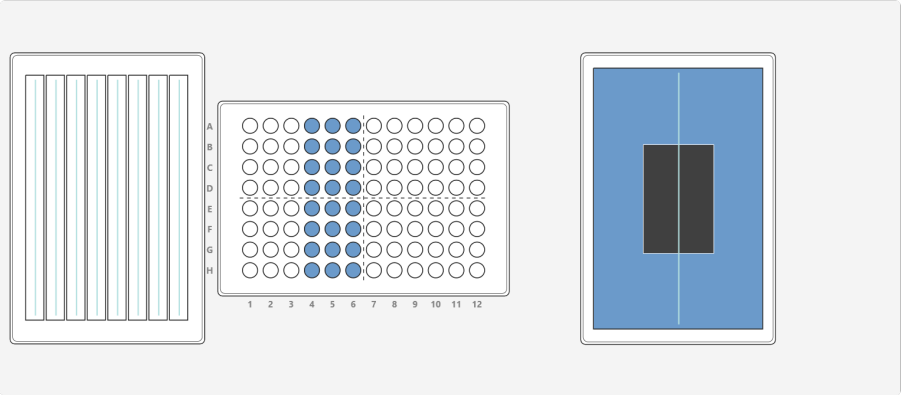
Step	Description

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

21 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 2nd Wash. Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	8.2 mm	C	-	8 mm	200
2	B	A5-H5	8.2 mm	C	-	8 mm	200
3	B	A6-H6	8.2 mm	C	-	8 mm	200

Step	Description

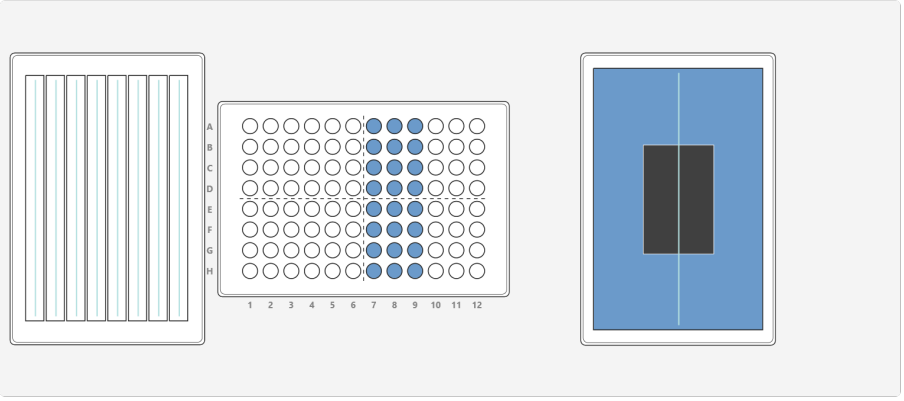
Pipetting settings

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

22 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 2nd Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	8.2 mm	C	-	8.2 mm	200
2	B	A8-H8	8.2 mm	C	-	8.2 mm	200

Step	Description

3	B	A9-H9	8.2 mm	C	-	8.2 mm	200

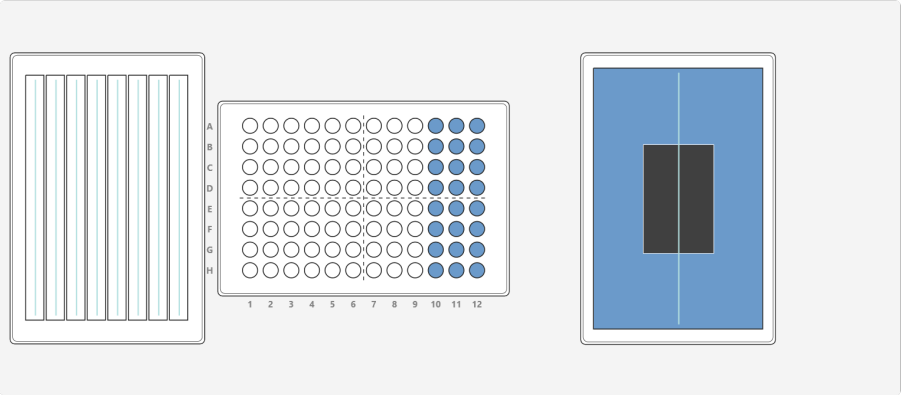
Pipetting settings

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

23 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 2nd Wash.
Tr.4



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	B	A10-H10	8.2 mm	C	-	8.8 mm	200
2	B	A11-H11	8.2 mm	C	-	8.8 mm	200
3	B	A12-H12	8.2 mm	C	-	8.8 mm	200

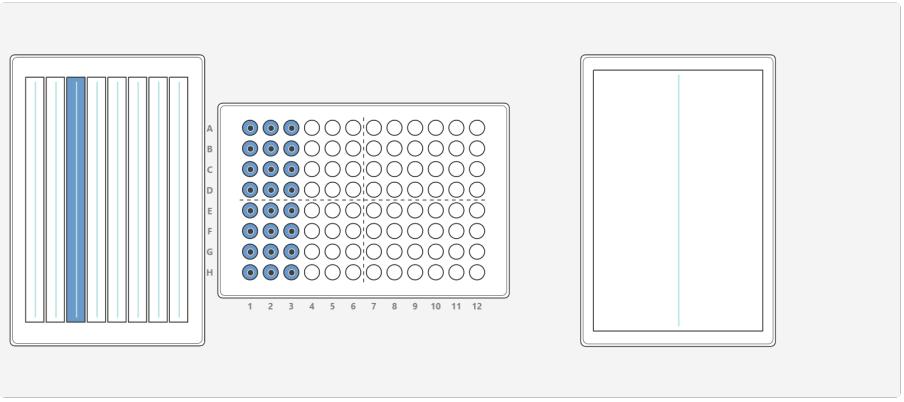
Pipetting settings

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

24 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
3rd Wash. Tr.1



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	A	A3	34 mm	B	A1-H1	5.7 mm	200
2	A	A3	34 mm	B	A2-H2	5.7 mm	200
3	A	A3	34 mm	B	A3-H3	5.7 mm	200

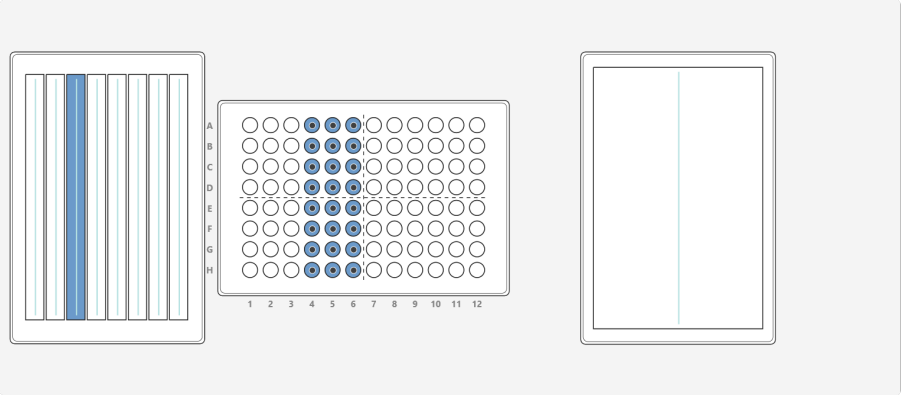
Pipetting settings

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 25 µl Tip 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

25 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Step	Description
Description: 3rd Wash. Tr.2	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A3	24 mm	B	A4-H4	5.7 mm	200
2	A	A3	24 mm	B	A5-H5	5.7 mm	200
3	A	A3	24 mm	B	A6-H6	5.7 mm	200

Pipetting settings

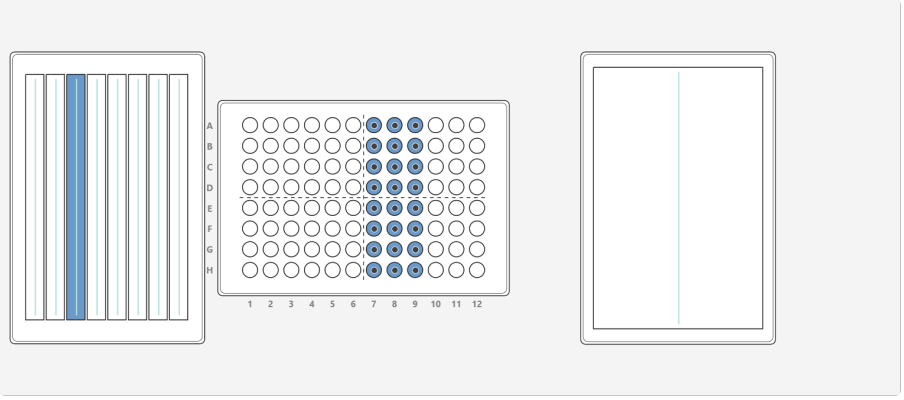
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

26 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
3rd Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A3	17.8 mm	B	A7-H7	5.7 mm	200
2	A	A3	17.8 mm	B	A8-H8	5.7 mm	200
3	A	A3	17.8 mm	B	A9-H9	5.7 mm	200

Pipetting settings

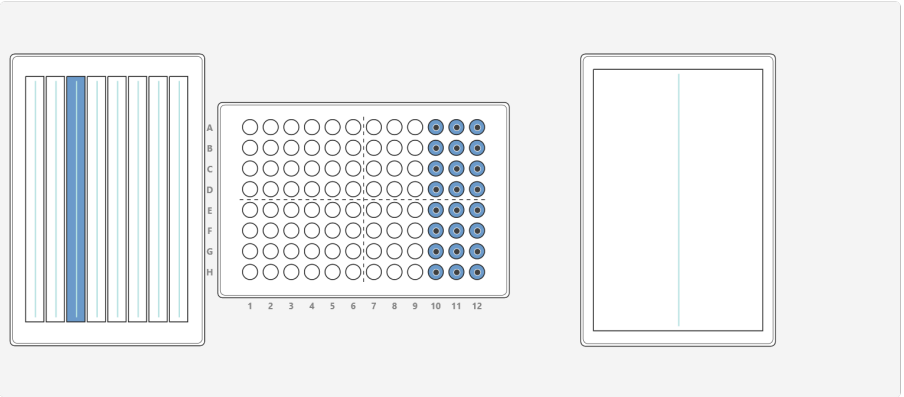
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

27 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
3rd Wash. Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A3	13 mm	B	A10-H10	5.7 mm	200
2	A	A3	13 mm	B	A11-H11	5.7 mm	200
3	A	A3	13 mm	B	A12-H12	5.7 mm	200

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 25 µl Tip 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 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

28 Delay

Description:
Let soak 15 sec

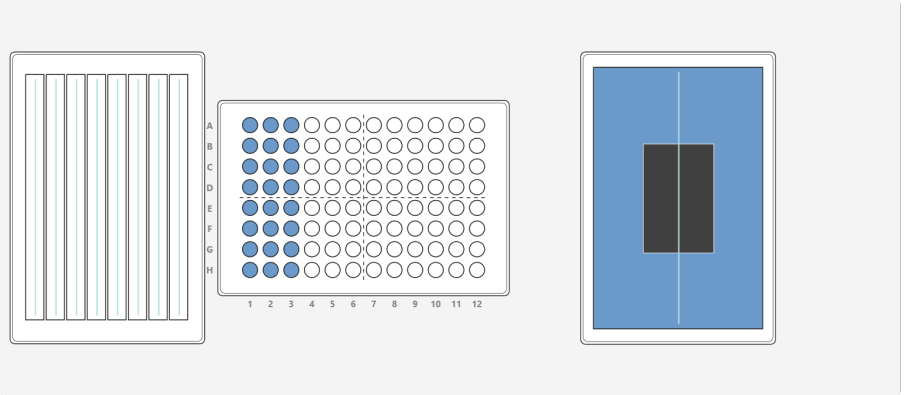
Pipetting settings

Tab	Parameter	Set value
Delay	Delay Time Skip Delay by RUN	15 Yes

29 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 3rd Wash. Tr.1



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	8.2 mm	C	-	9.7 mm	200
2	B	A2-H2	8.2 mm	C	-	9.7 mm	200
3	B	A3-H3	8.2 mm	C	-	9.7 mm	200

Pipetting settings

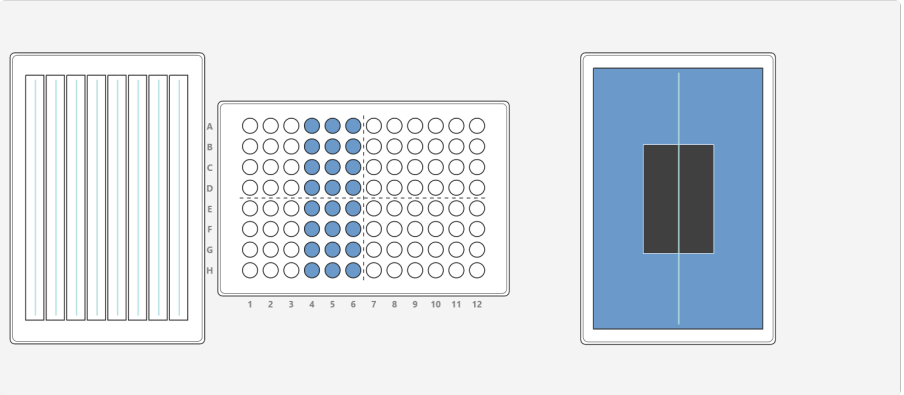
Step	Description

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

30 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 3rd Wash. Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	8.2 mm	C	-	10 mm	200
2	B	A5-H5	8.2 mm	C	-	10 mm	200
3	B	A6-H6	8.2 mm	C	-	10 mm	200

Step	Description

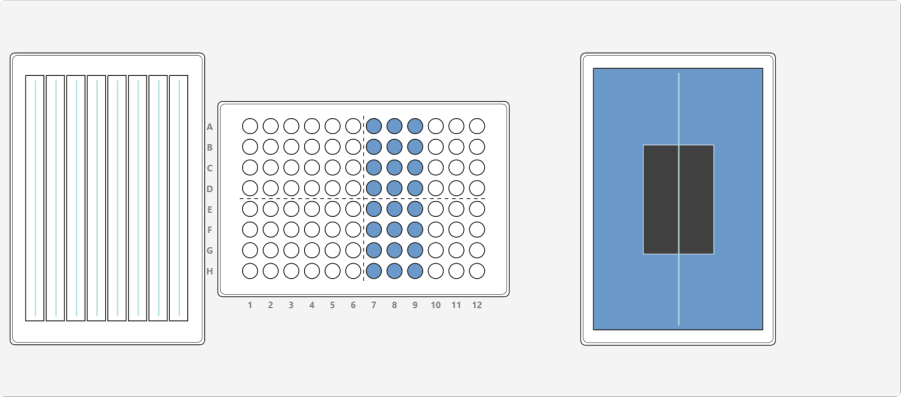
Pipetting settings

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

31 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 3rd Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	8.2 mm	C	-	10.4 mm	200
2	B	A8-H8	8.2 mm	C	-	10.4 mm	200

Step	Description

3	B	A9-H9	8.2 mm	C	-	10.4 mm	200

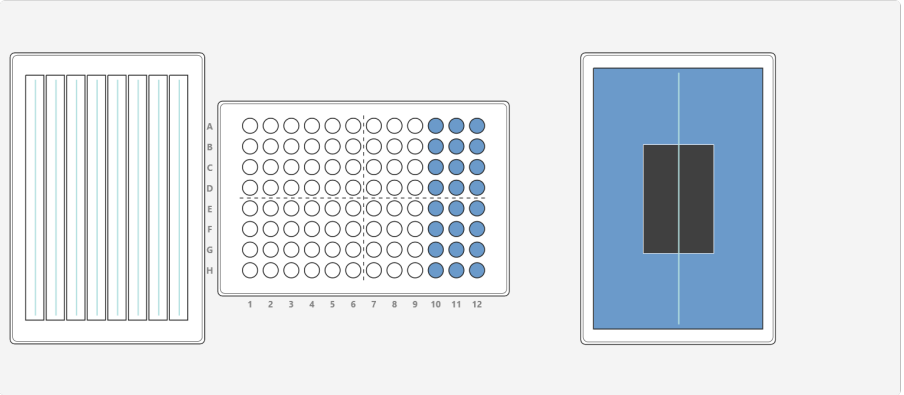
Pipetting settings

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

32 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 3rd Wash.
Tr.4



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	B	A10-H10	8.2 mm	C	-	10.9 mm	200
2	B	A11-H11	8.2 mm	C	-	10.9 mm	200
3	B	A12-H12	8.2 mm	C	-	10.9 mm	200

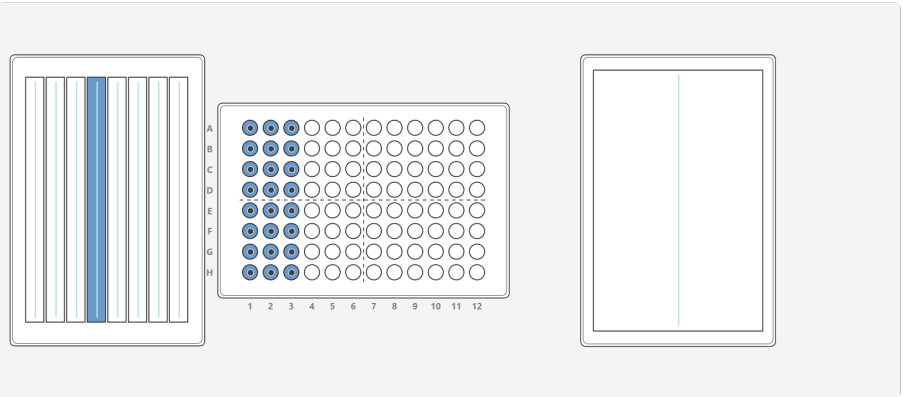
Pipetting settings

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

33 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
4th Wash. Tr.1



Step	Description

Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A4	34 mm	B	A1-H1	5.7 mm	200
2	A	A4	34 mm	B	A2-H2	5.7 mm	200
3	A	A4	34 mm	B	A3-H3	5.7 mm	200

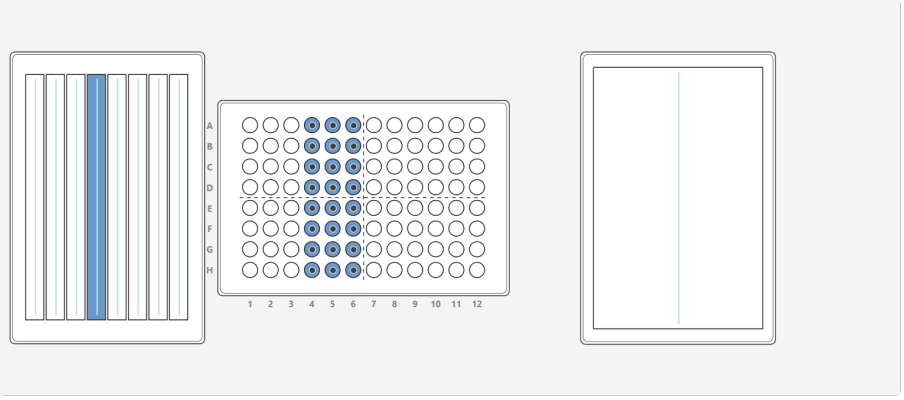
Pipetting settings

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 25 µl Tip 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

34 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Step	Description
Description: 4th Wash. Tr.2	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A4	24 mm	B	A4-H4	5.7 mm	200
2	A	A4	24 mm	B	A5-H5	5.7 mm	200
3	A	A4	24 mm	B	A6-H6	5.7 mm	200

Pipetting settings

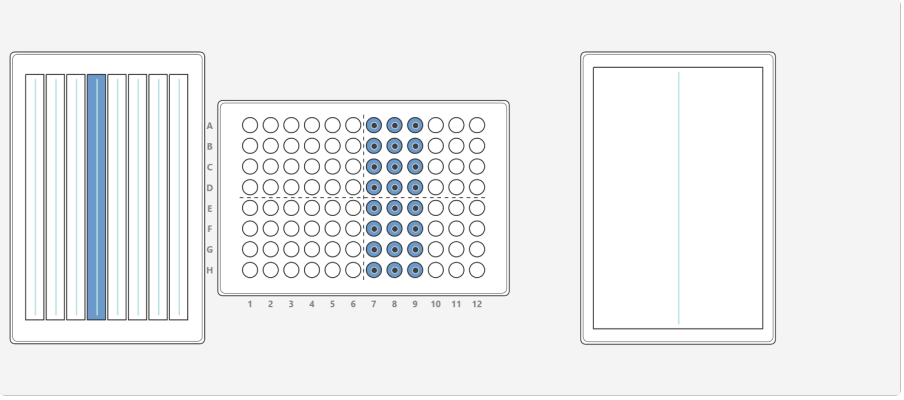
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

35 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
4th Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A4	17.8 mm	B	A7-H7	5.7 mm	200
2	A	A4	17.8 mm	B	A8-H8	5.7 mm	200
3	A	A4	17.8 mm	B	A9-H9	5.7 mm	200

Pipetting settings

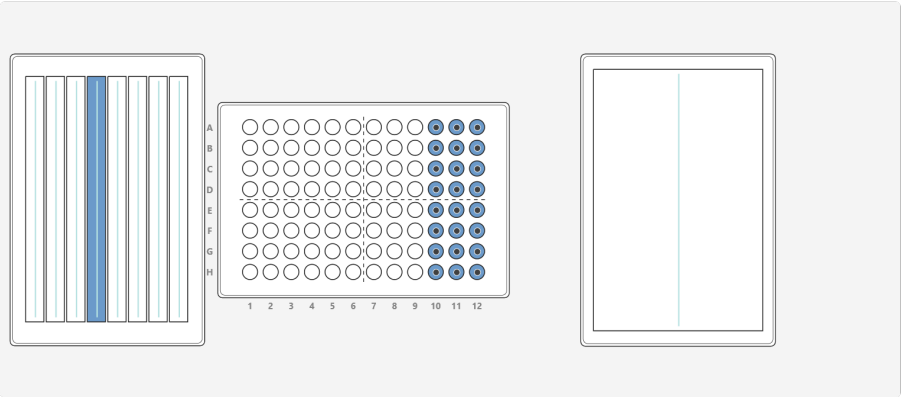
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

36 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
4th Wash. Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A4	13 mm	B	A10-H10	5.7 mm	200
2	A	A4	13 mm	B	A11-H11	5.7 mm	200
3	A	A4	13 mm	B	A12-H12	5.7 mm	200

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 25 µl Tip 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 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

37 Delay

Description:
Let soak 15 sec

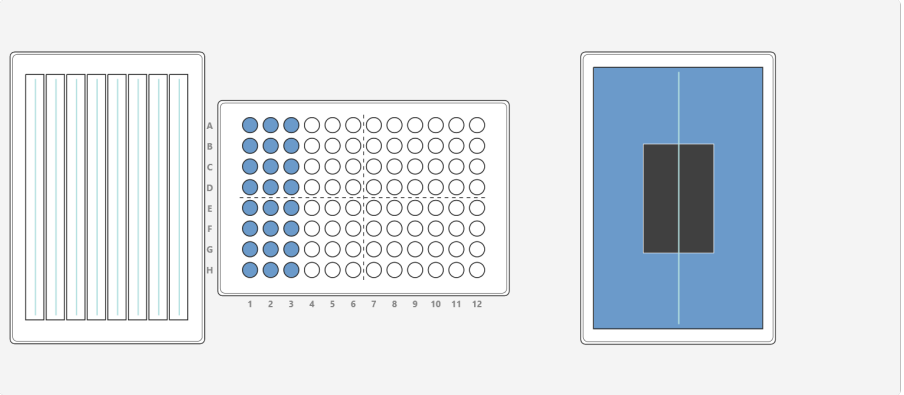
Pipetting settings

Tab	Parameter	Set value
Delay	Delay Time Skip Delay by RUN	15 Yes

38 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 4th Wash.
Tr.1



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	8.2 mm	C	-	11.9 mm	200
2	B	A2-H2	8.2 mm	C	-	11.9 mm	200
3	B	A3-H3	8.2 mm	C	-	11.9 mm	200

Pipetting settings

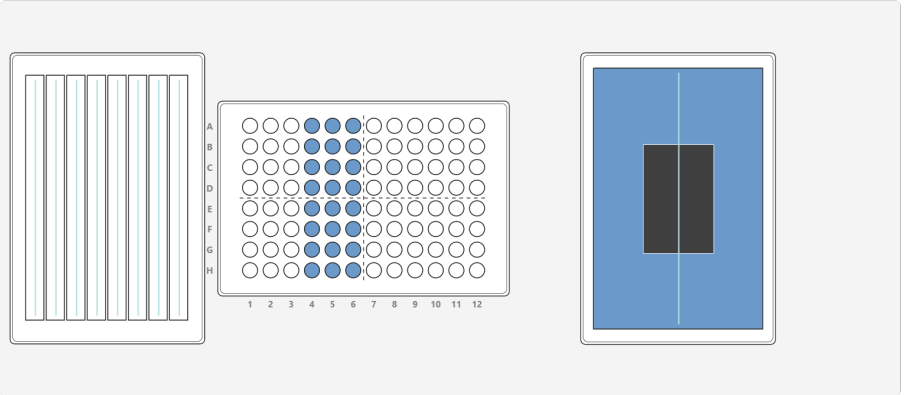
Step	Description

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

39 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 4th Wash. Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	8.2 mm	C	-	12.5 mm	200
2	B	A5-H5	8.2 mm	C	-	12.5 mm	200
3	B	A6-H6	8.2 mm	C	-	12.5 mm	200

Step	Description

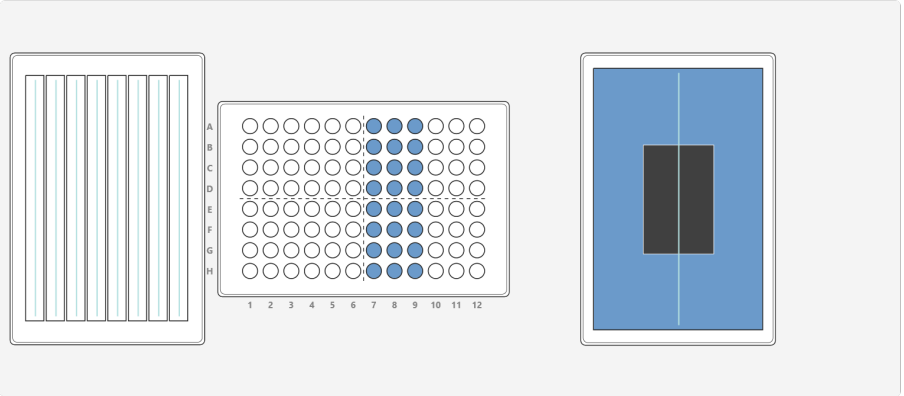
Pipetting settings

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

40 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 4th Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	8.2 mm	C	-	12.9 mm	200
2	B	A8-H8	8.2 mm	C	-	12.9 mm	200

Step	Description

3	B	A9-H9	8.2 mm	C	-	12.9 mm	200

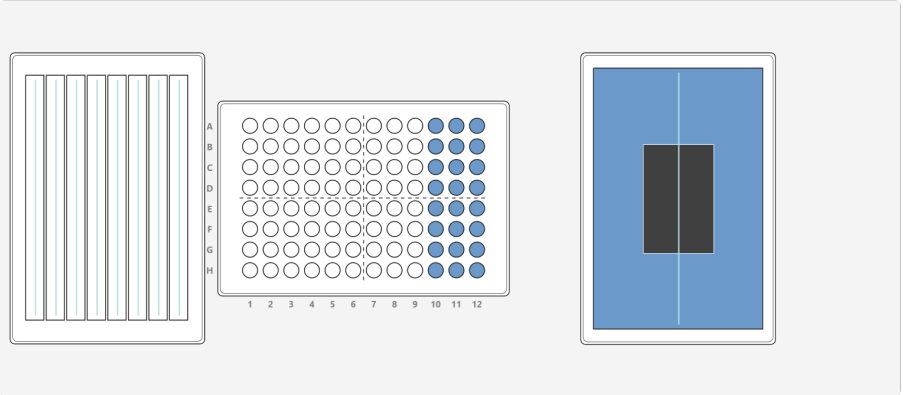
Pipetting settings

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

41 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 4th Wash.
Tr.4



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	B	A10-H10	8.2 mm	C	-	13.4 mm	200
2	B	A11-H11	8.2 mm	C	-	13.4 mm	200
3	B	A12-H12	8.2 mm	C	-	13.4 mm	200

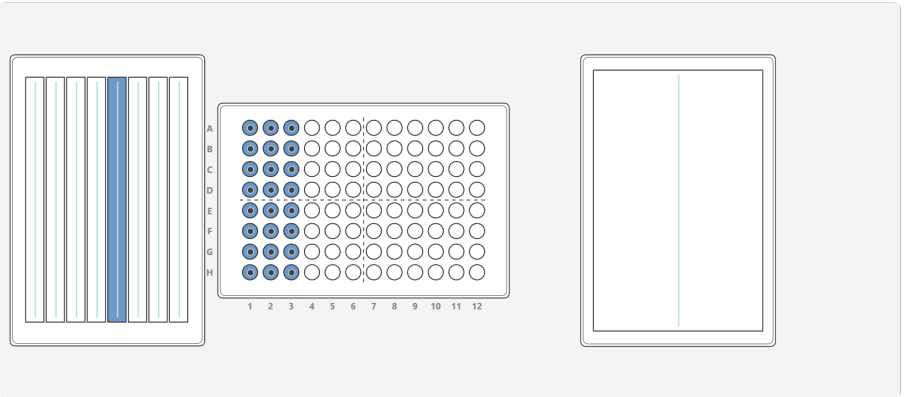
Pipetting settings

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

42 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
5th Wash. Tr.1



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	A	A5	34 mm	B	A1-H1	5.7 mm	200
2	A	A5	34 mm	B	A2-H2	5.7 mm	200
3	A	A5	34 mm	B	A3-H3	5.7 mm	200

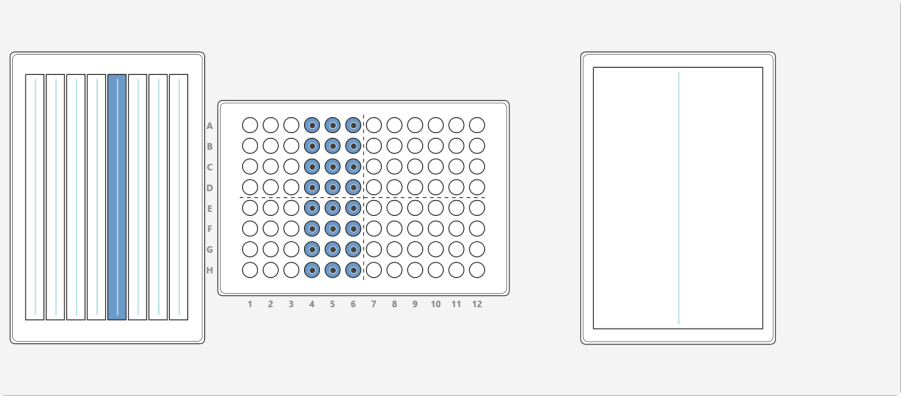
Pipetting settings

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 25 µl Tip 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

43 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Step	Description
Description: 5th Wash. Tr.2	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A5	24 mm	B	A4-H4	5.7 mm	200
2	A	A5	24 mm	B	A5-H5	5.7 mm	200
3	A	A5	24 mm	B	A6-H6	5.7 mm	200

Pipetting settings

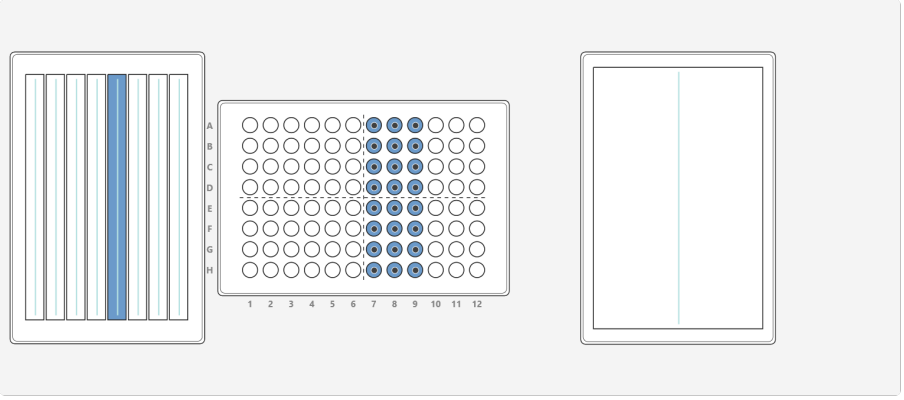
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

44 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
5th Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A5	17.8 mm	B	A7-H7	5.7 mm	200
2	A	A5	17.8 mm	B	A8-H8	5.7 mm	200
3	A	A5	17.8 mm	B	A9-H9	5.7 mm	200

Pipetting settings

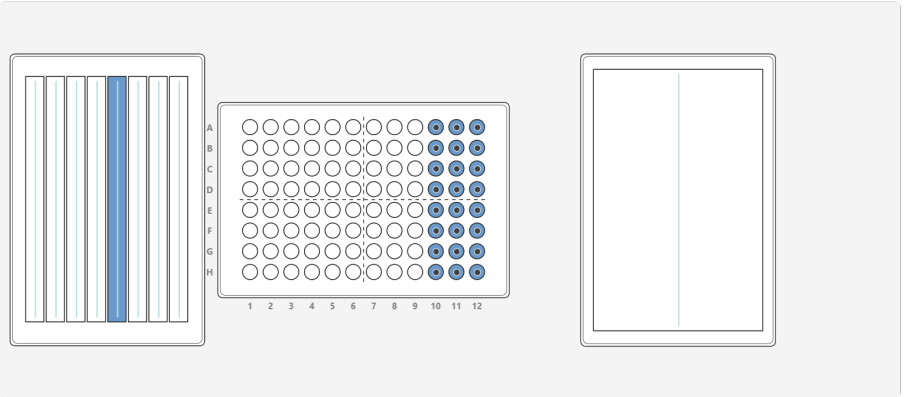
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

45 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
5th Wash. Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A5	13 mm	B	A10-H10	5.7 mm	200
2	A	A5	13 mm	B	A11-H11	5.7 mm	200
3	A	A5	13 mm	B	A12-H12	5.7 mm	200

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 25 µl Tip 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 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

46 Delay

Description:
Let soak 15 sec

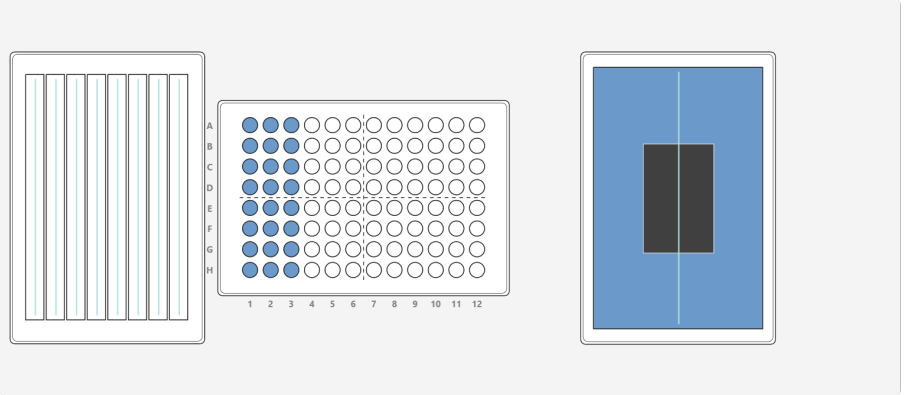
Pipetting settings

Tab	Parameter	Set value
Delay	Delay Time Skip Delay by RUN	15 Yes

47 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 5th Wash.
Tr.1



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	8.2 mm	C	-	14.5 mm	200
2	B	A2-H2	8.2 mm	C	-	14.5 mm	200
3	B	A3-H3	8.2 mm	C	-	14.5 mm	200

Pipetting settings

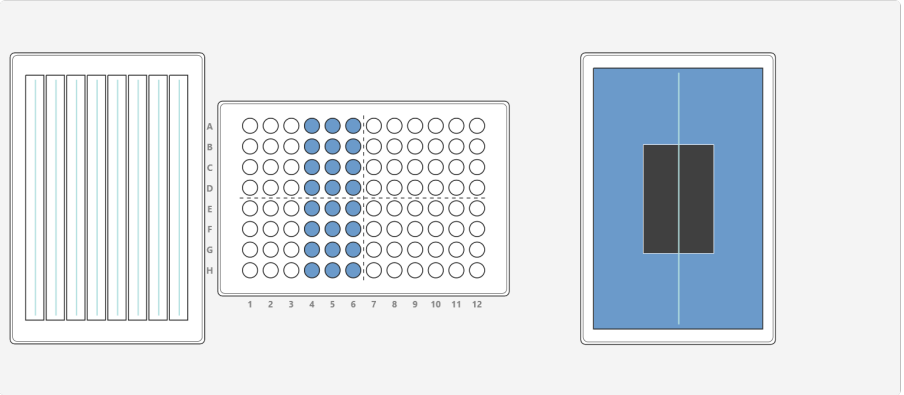
Step	Description

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

48 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 5th Wash. Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	8.2 mm	C	-	14.4 mm	200
2	B	A5-H5	8.2 mm	C	-	14.4 mm	200
3	B	A6-H6	8.2 mm	C	-	14.4 mm	200

Step	Description

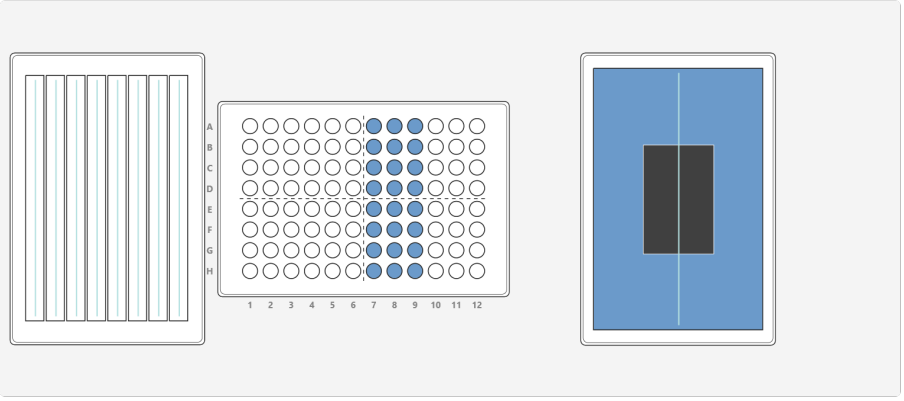
Pipetting settings

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

49 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 5th Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	8.2 mm	C	-	15.4 mm	200
2	B	A8-H8	8.2 mm	C	-	15.4 mm	200

Step	Description

3	B	A9-H9	8.2 mm	C	-	15.4 mm	200

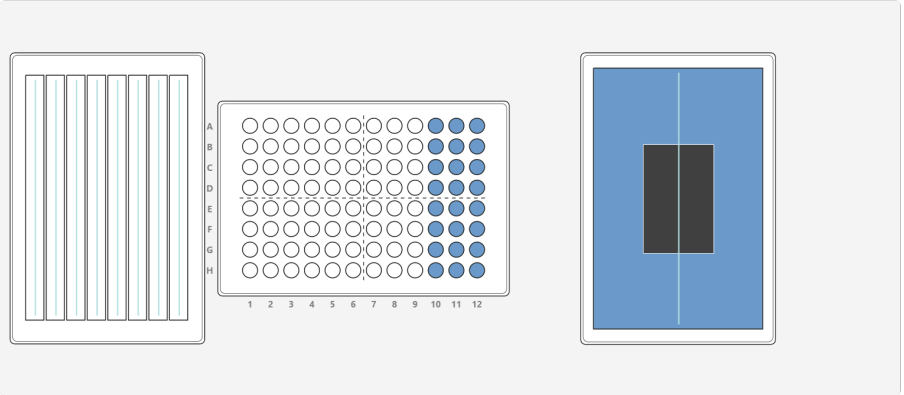
Pipetting settings

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

50 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 5th Wash.
Tr.4



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	B	A10-H10	8.2 mm	C	-	15.8 mm	200
2	B	A11-H11	8.2 mm	C	-	15.8 mm	200
3	B	A12-H12	8.2 mm	C	-	15.8 mm	200

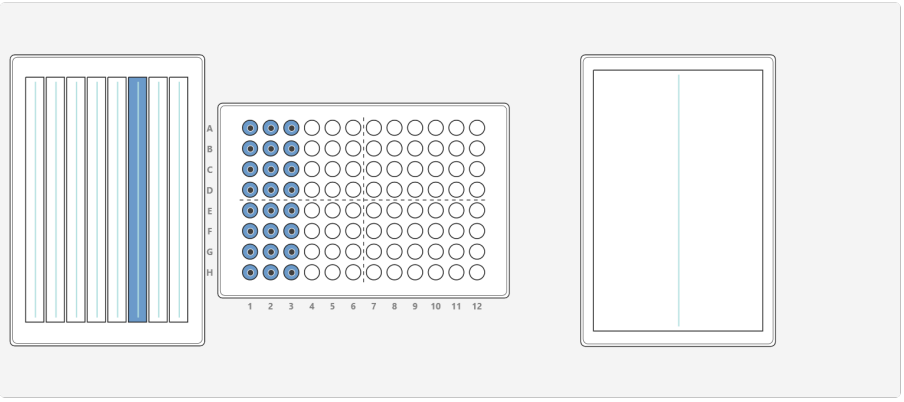
Pipetting settings

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

51 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
6th Wash. Tr.1



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	A	A6	34 mm	B	A1-H1	5.7 mm	200
2	A	A6	34 mm	B	A2-H2	5.7 mm	200
3	A	A6	34 mm	B	A3-H3	5.7 mm	200

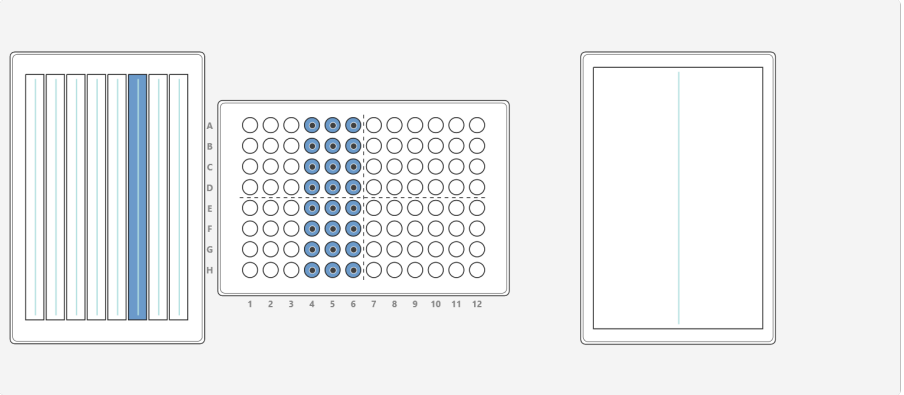
Pipetting settings

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 25 µl Tip 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

52 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Step	Description
Description: 6th Wash. Tr.2	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A6	24 mm	B	A4-H4	5.7 mm	200
2	A	A6	24 mm	B	A5-H5	5.7 mm	200
3	A	A6	24 mm	B	A6-H6	5.7 mm	200

Pipetting settings

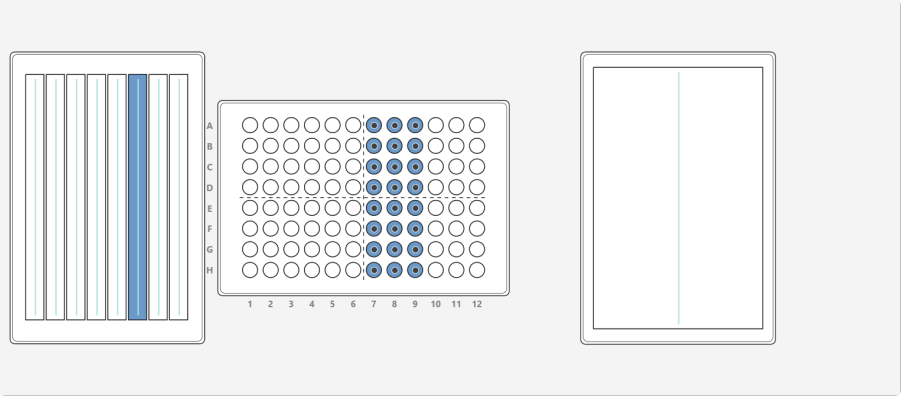
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

53 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
6th Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A6	17.8 mm	B	A7-H7	5.7 mm	200
2	A	A6	17.8 mm	B	A8-H8	5.7 mm	200
3	A	A6	17.8 mm	B	A9-H9	5.7 mm	200

Pipetting settings

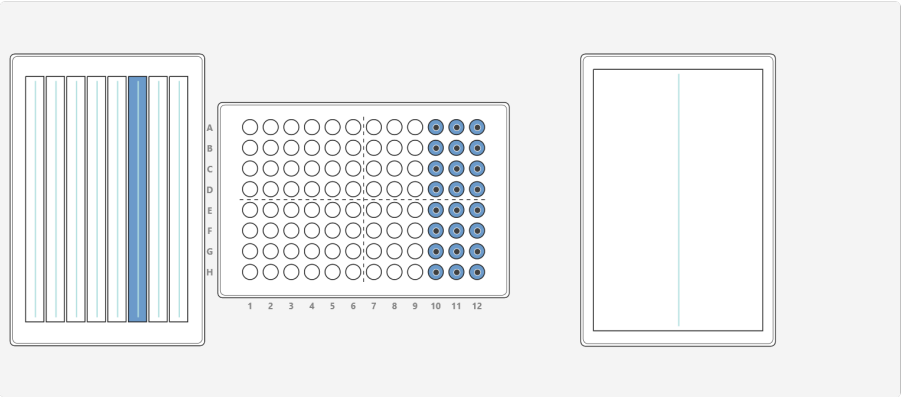
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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

Step	Description		
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

54 Repeat Dispen...

Time:
0 min 35 sec
Used Tips:
8

Description:
6th Wash. Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A6	13 mm	B	A10-H10	5.7 mm	200
2	A	A6	13 mm	B	A11-H11	5.7 mm	200
3	A	A6	13 mm	B	A12-H12	5.7 mm	200

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 25 µl Tip 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 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

55 Delay

Description:
Let soak 15 sec

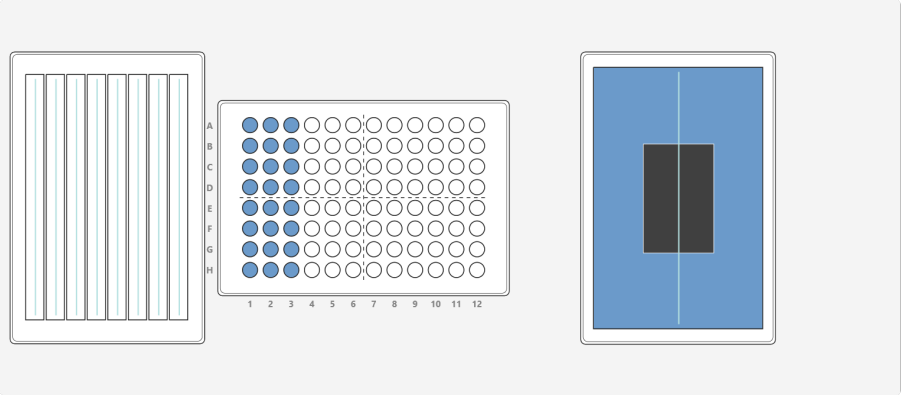
Pipetting settings

Tab	Parameter	Set value
Delay	Delay Time Skip Delay by RUN	15 Yes

56 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 6th Wash.
Tr.1



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	8.2 mm	C	-	16.8 mm	200
2	B	A2-H2	8.2 mm	C	-	16.8 mm	200
3	B	A3-H3	8.2 mm	C	-	16.8 mm	200

Pipetting settings

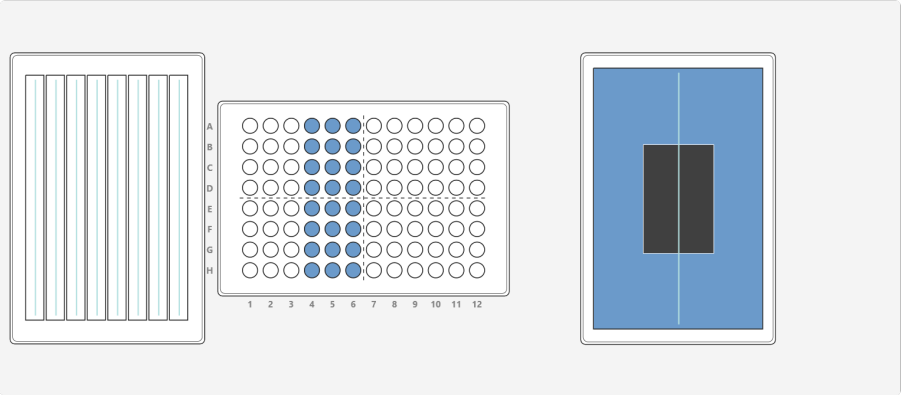
Step	Description

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

57 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 6th Wash. Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A4-H4	8.2 mm	C	-	16.9 mm	200
2	B	A5-H5	5.7 mm	C	-	16.9 mm	200
3	B	A6-H6	5.7 mm	C	-	16.9 mm	200

Step	Description

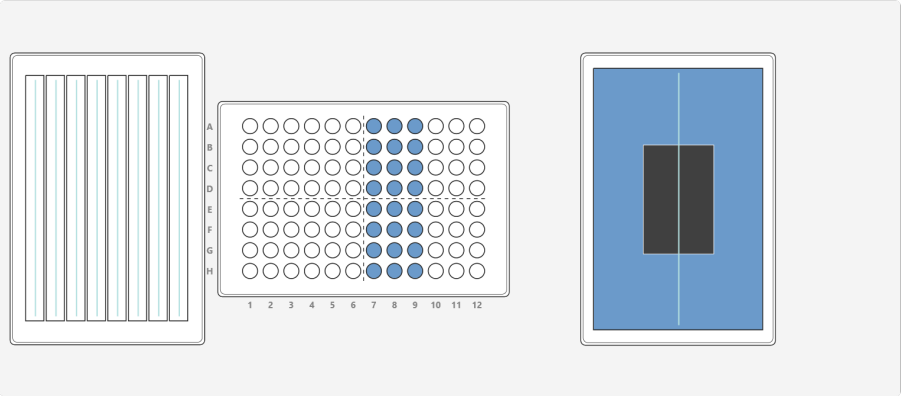
Pipetting settings

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

58 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 6th Wash. Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A7-H7	8.2 mm	C	-	17.4 mm	200
2	B	A8-H8	8.2 mm	C	-	17.4 mm	200

Step	Description

3	B	A9-H9	8.2 mm	C	-	17.4 mm	200

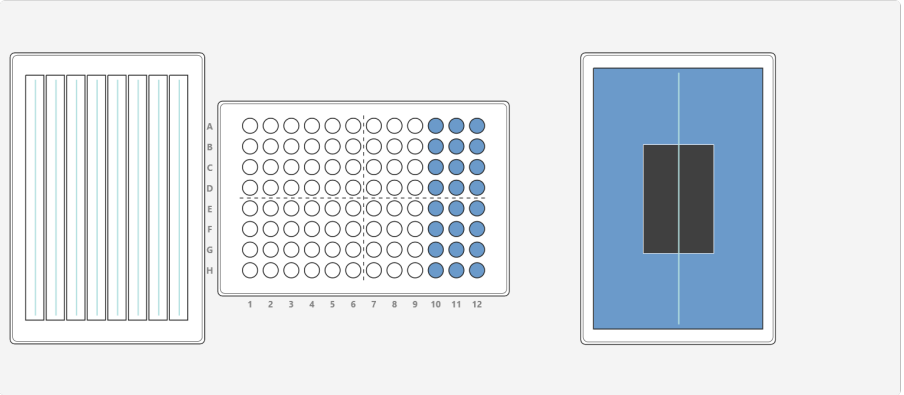
Pipetting settings

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

59 Multi Aspirate

Time:
0 min 34 sec
Used Tips:
8

Description:
Remove 6th Wash.
Tr.4



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	B	A10-H10	8.2 mm	C	-	18.2 mm	200
2	B	A11-H11	8.2 mm	C	-	18.2 mm	200
3	B	A12-H12	8.2 mm	C	-	18.2 mm	200

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

60 Message

Description:
Blot the plate

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Blot the plate -

Step	Description

61 Message

Description:
Add Substrate col 7 Reservoir

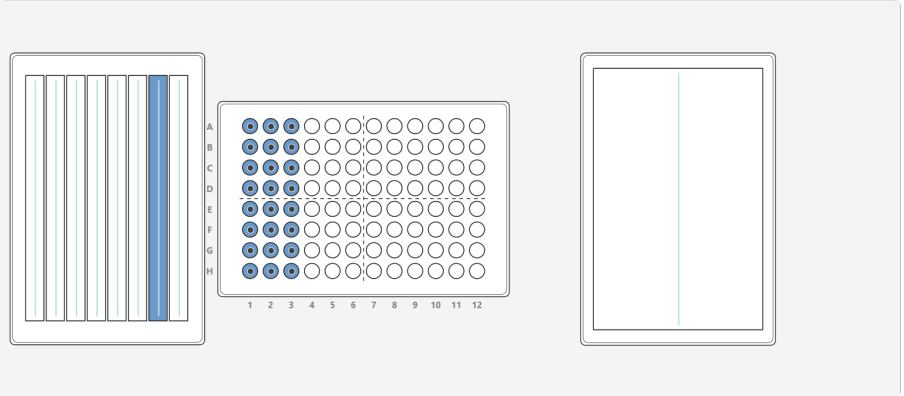
Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Add Substrat 12 ml col 7 PP Reservoir

62 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Substrate Tr.1



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A7	16 mm	B	A1-H1	5.7 mm	100
2	A	A7	16 mm	B	A2-H2	5.7 mm	100
3	A	A7	16 mm	B	A3-H3	5.7 mm	100

Pipetting settings

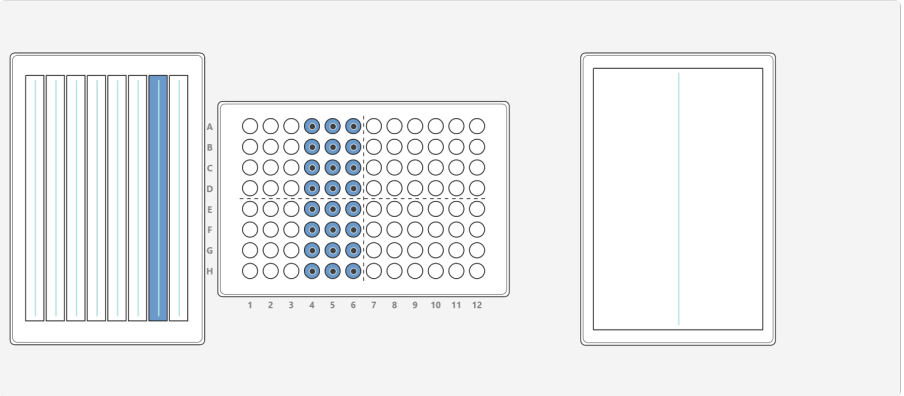
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed 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 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 6 mm

63 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Substrate Tr.2



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A7	13 mm	B	A4-H4	5.7 mm	100
2	A	A7	13 mm	B	A5-H5	5.7 mm	100
3	A	A7	13 mm	B	A6-H6	5.7 mm	100

Pipetting settings

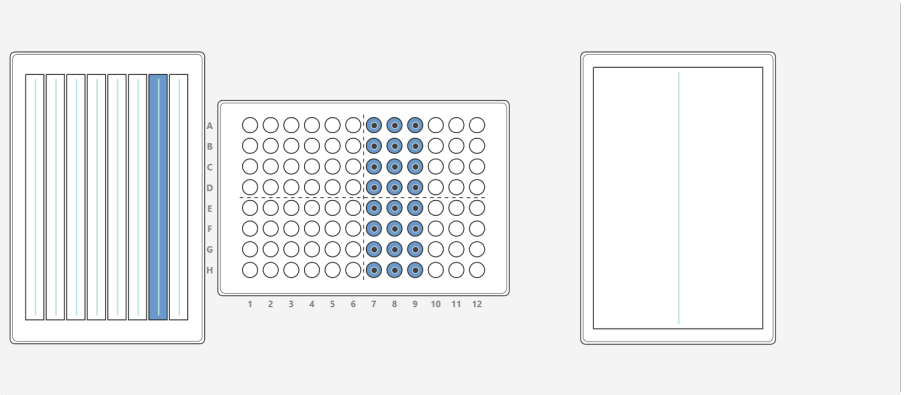
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi

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 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 6 mm

64 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Substrate Tr.3



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A7	10 mm	B	A7-H7	5.7 mm	100
2	A	A7	10 mm	B	A8-H8	5.7 mm	100
3	A	A7	10 mm	B	A9-H9	5.7 mm	100

Pipetting settings

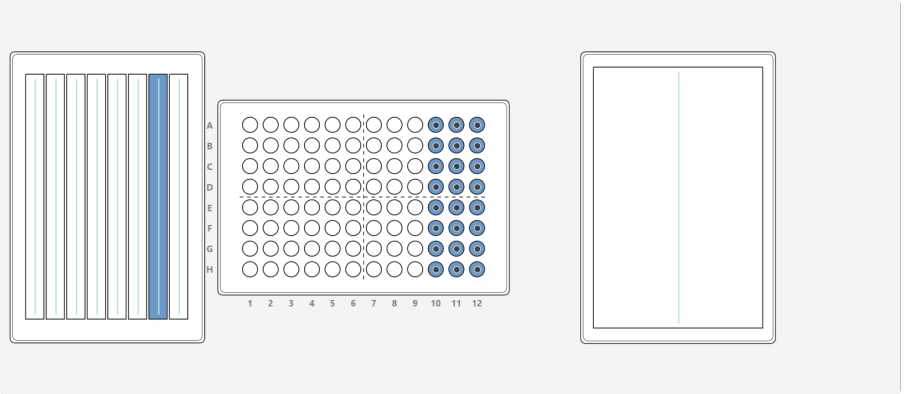
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm

Step	Description		
	Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip 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 6 mm

65 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Substrate Tr.4



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	A	A7	7 mm	B	A10-H10	5.7 mm	100
2	A	A7	7 mm	B	A11-H11	5.7 mm	100
3	A	A7	7 mm	B	A12-H12	5.7 mm	100

Pipetting settings

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 25 µl Tip 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 6 mm

66 Message

Description:
Incubate

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Incubate - -

Run Protocol

Program Name Program Name (on pipette)	7_E_Substrate.iaa 7_E_Substrate
Instrument - Serial Number ASSIST PLUS	
Pipette - Serial Number VOYAGER - 1,250µl - 8CH	
Pipette Tips - Lot Number 1250 µl GripTip, Sterile, Filter, Low retention	
Notes:	
Run Operator:	
Run Date:	
Run Start Time:	
Run End Time:	
Signature:	