6_E_Enzyme_Conjugate Report

Program Name (on pipette)
6_E_Conjugate

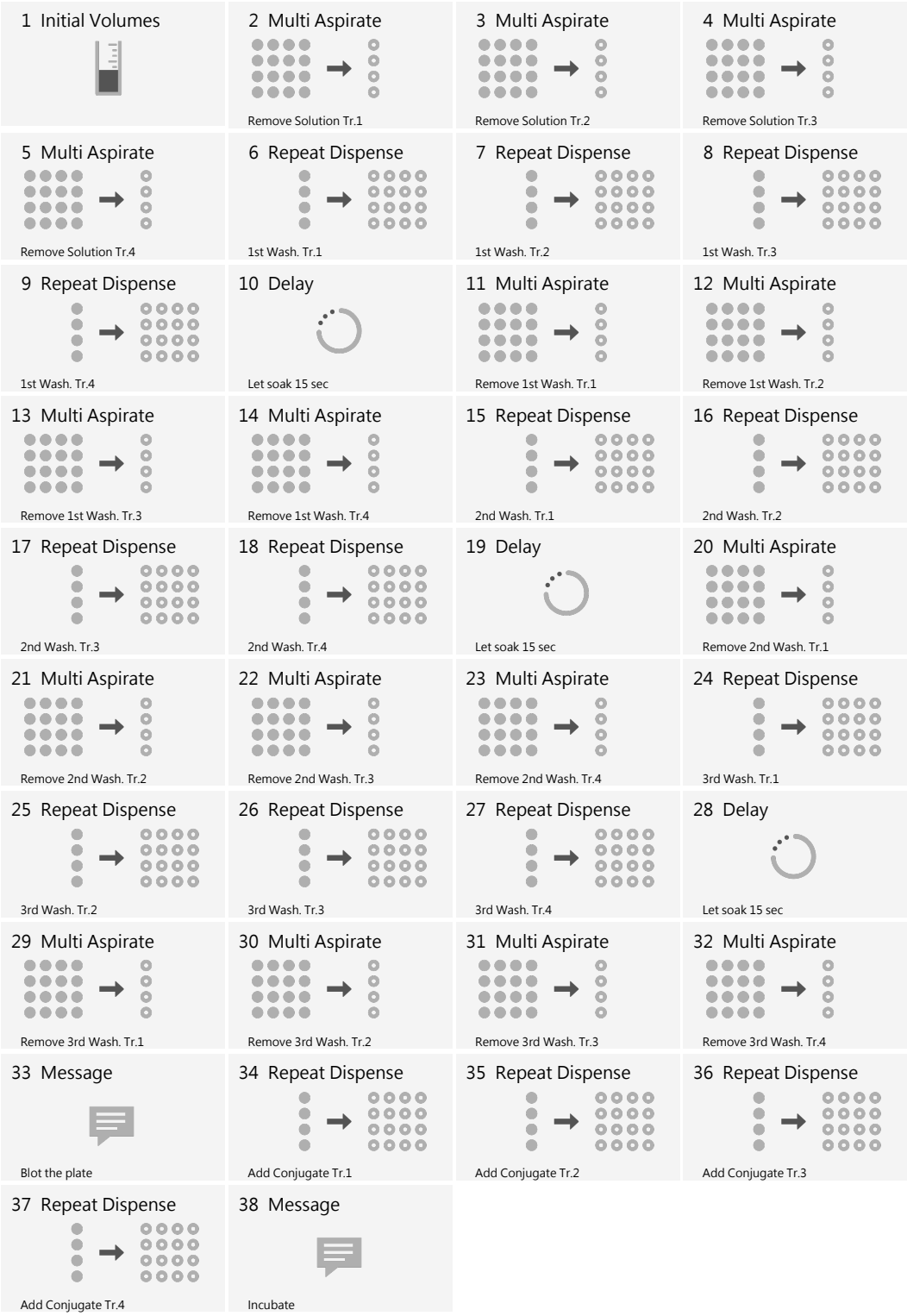
INTEGRA VIALAB

User Credentials

Name: LSa
Date: 2. Mar. 2020

Overview Method

VOYAGER - 1,250µl - 8CH



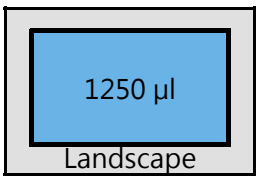
Total Time: 19 min 12 sec

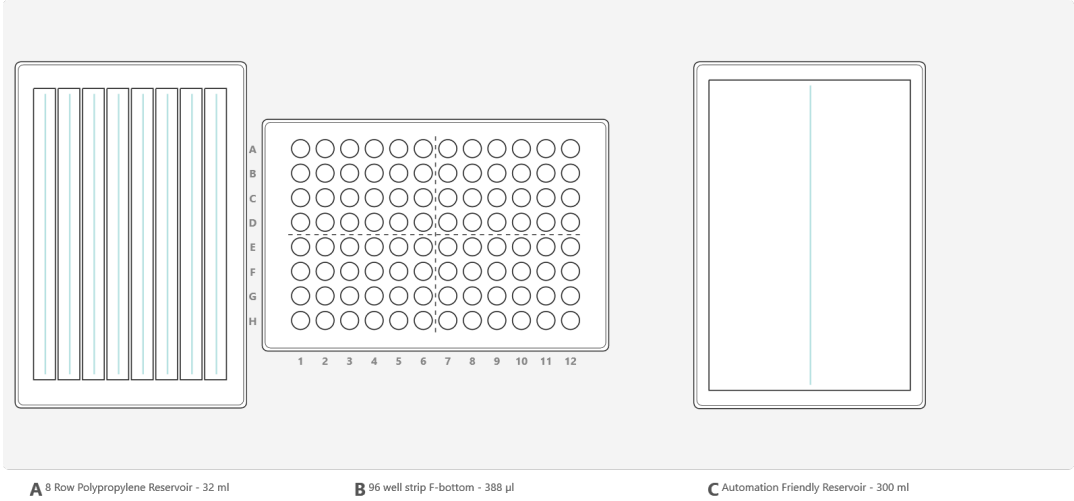
Total Tip Consumption: 256

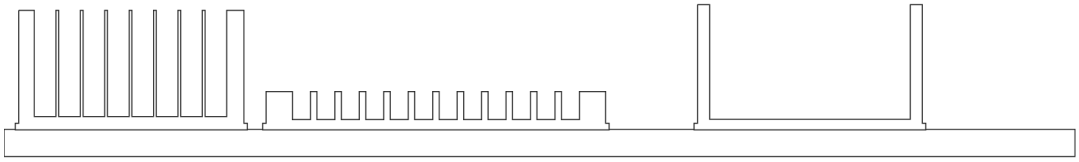
Description

ELISA - Add the enzyme conjugate

Deck Layout







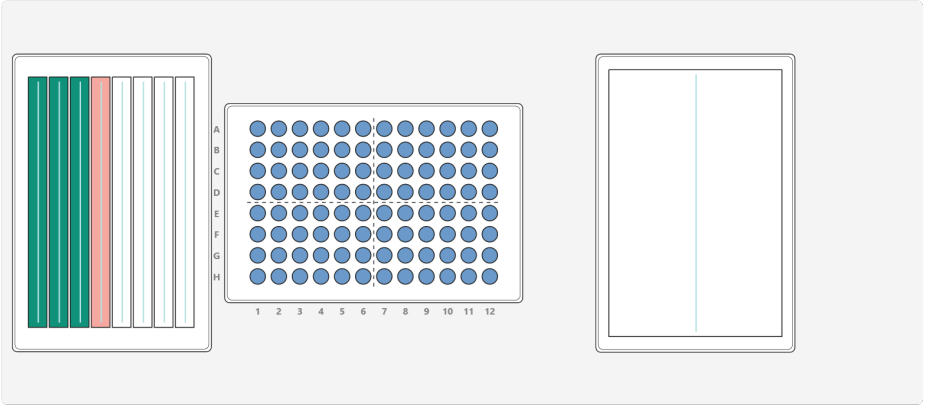
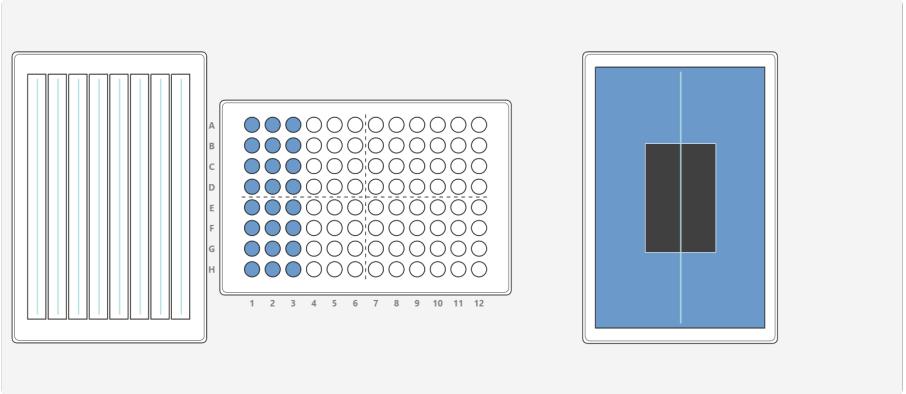
Pipette & Deck

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

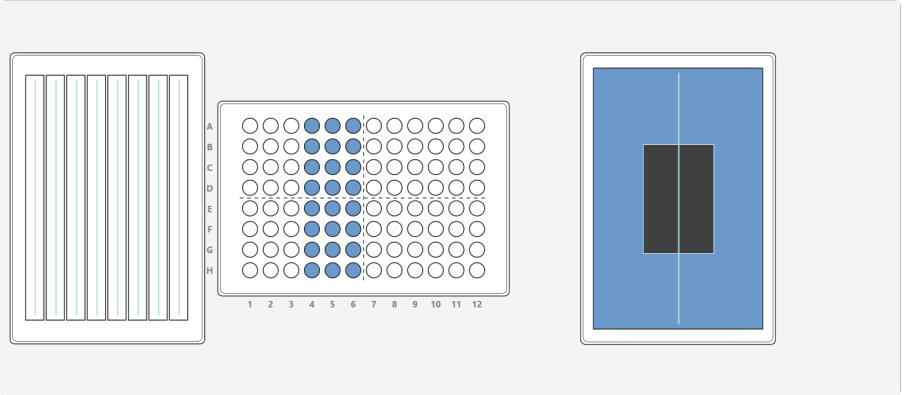
Step	Description

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

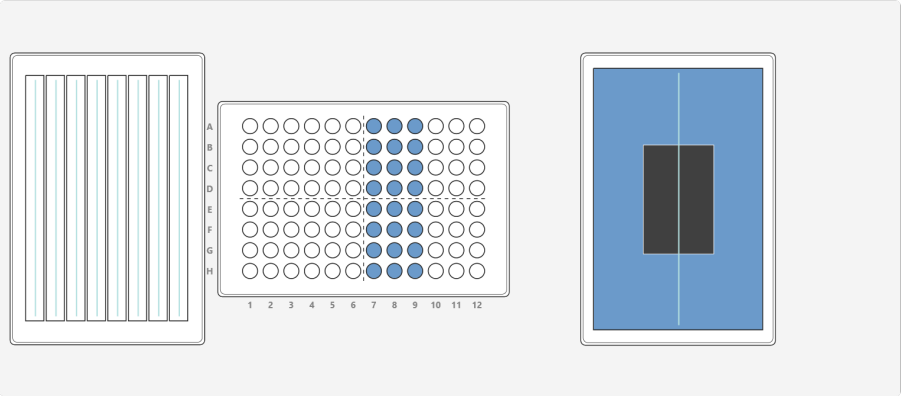
Pipetting settings

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

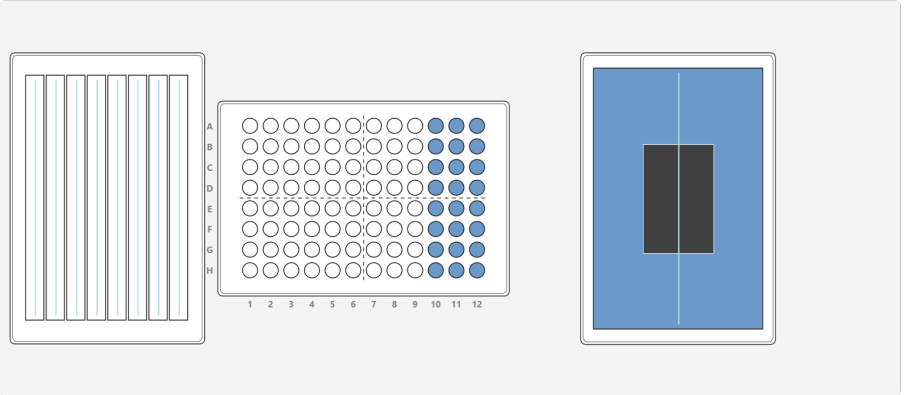
Pipetting settings

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

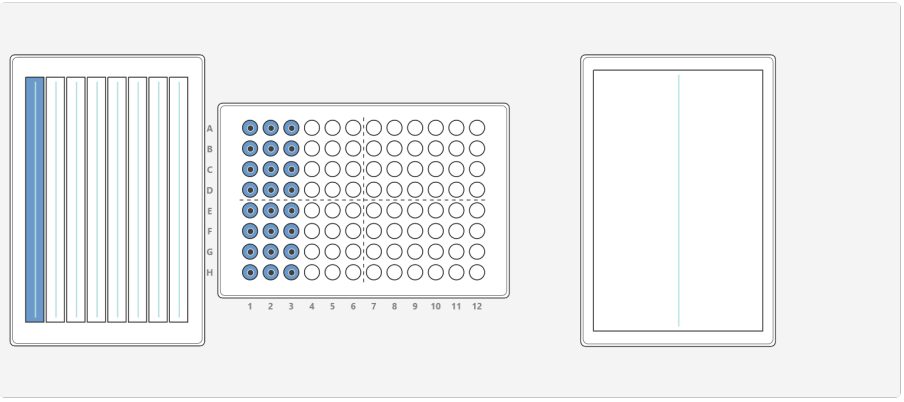
Pipetting settings

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

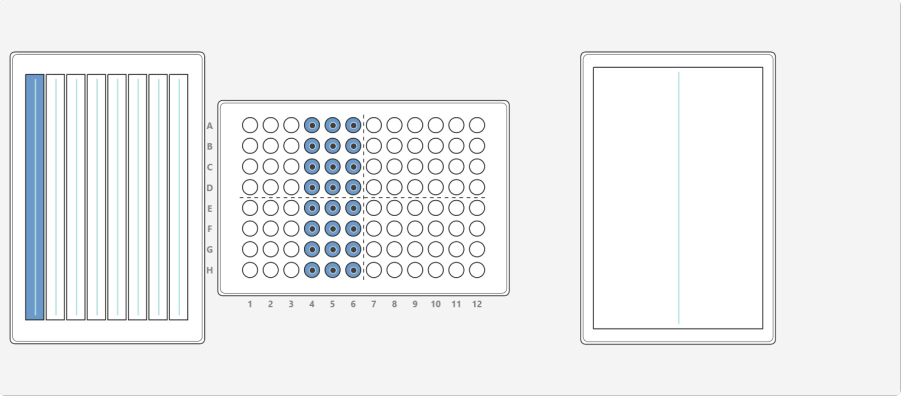
Pipetting settings

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 1 mm **Target:** Fix Yes 1 mm
Tip Change	Tip Change	After step complete
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

7 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

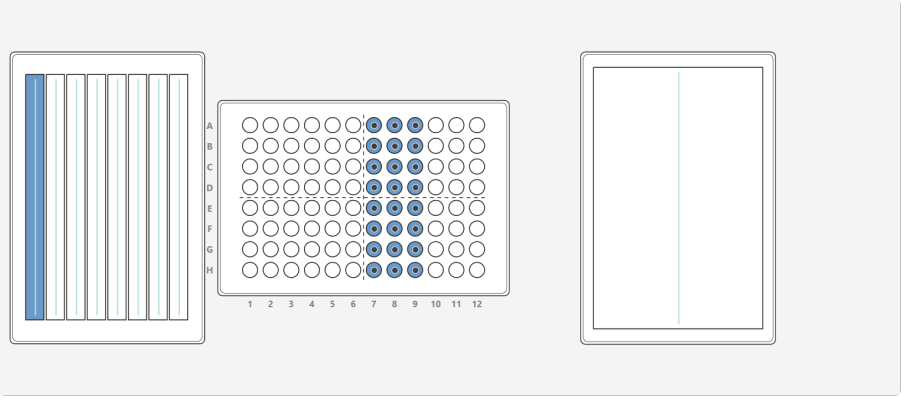
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

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

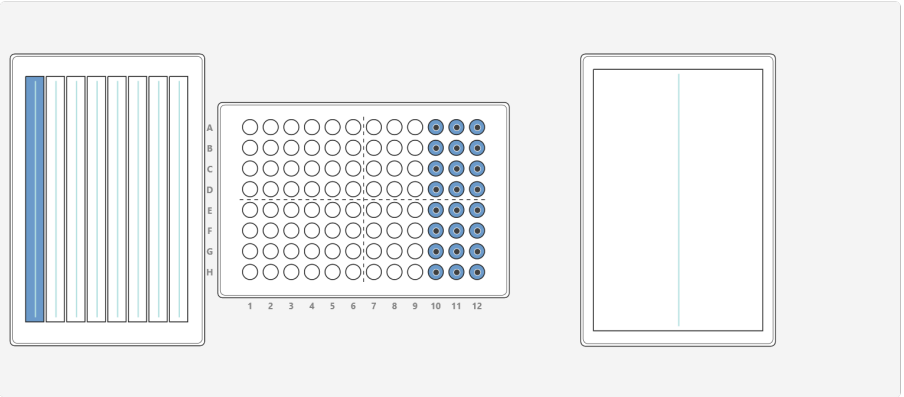
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

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 1 mm **Target:** Fix Yes 1 mm
	Tip Change	Tip Change	After step complete
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid 9 mm

10 Delay

Description:
Let soak 15 sec

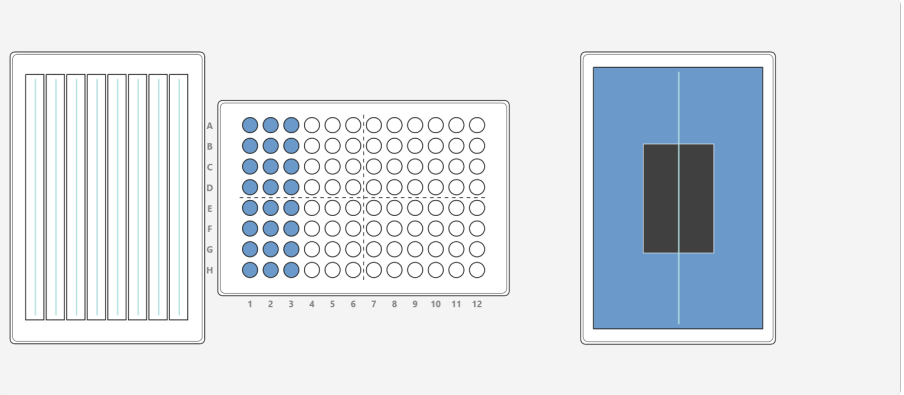
Pipetting settings

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

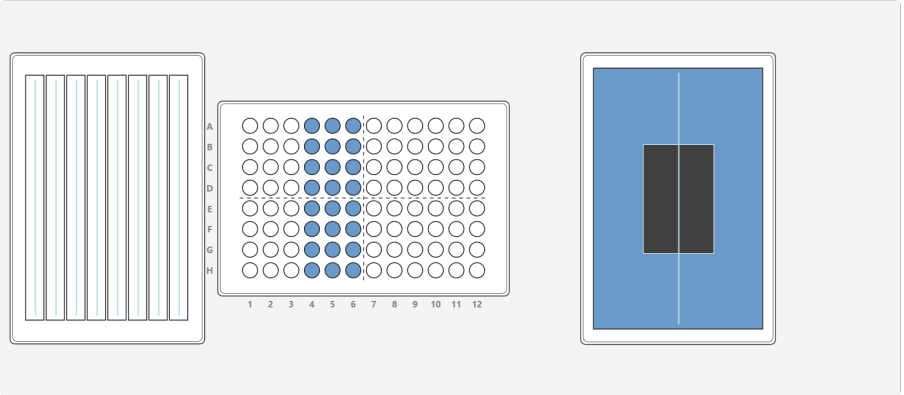
Step	Description

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

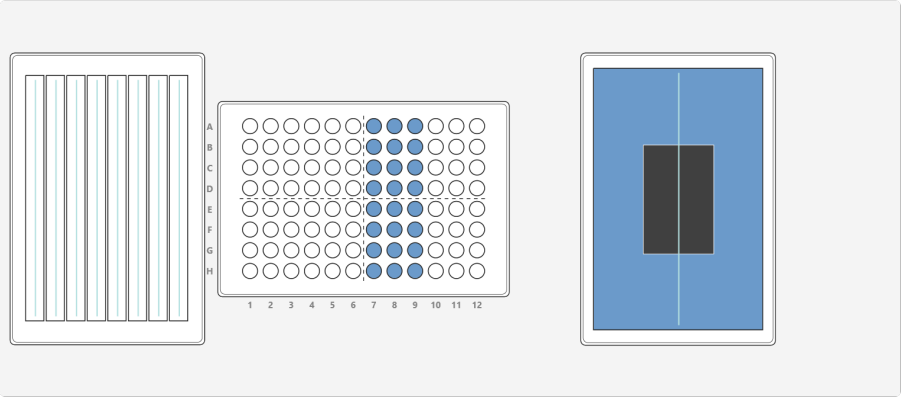
Pipetting settings

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

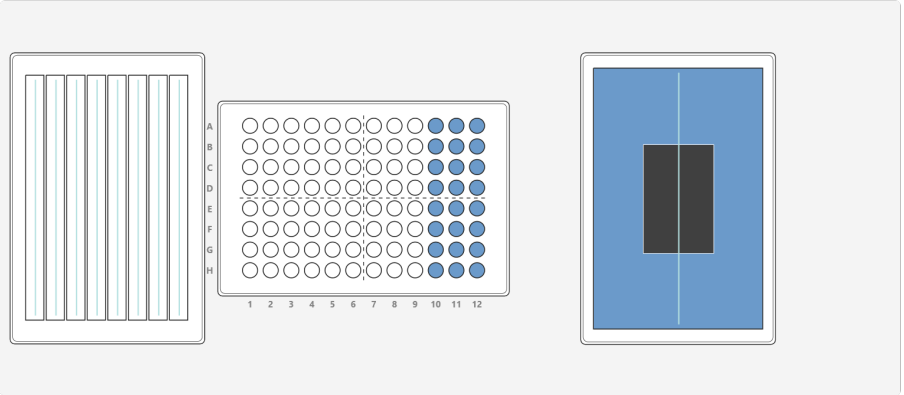
Pipetting settings

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

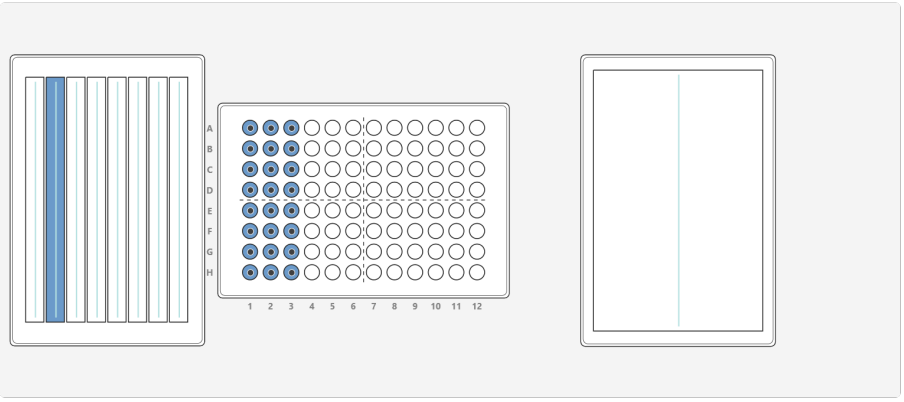
Pipetting settings

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

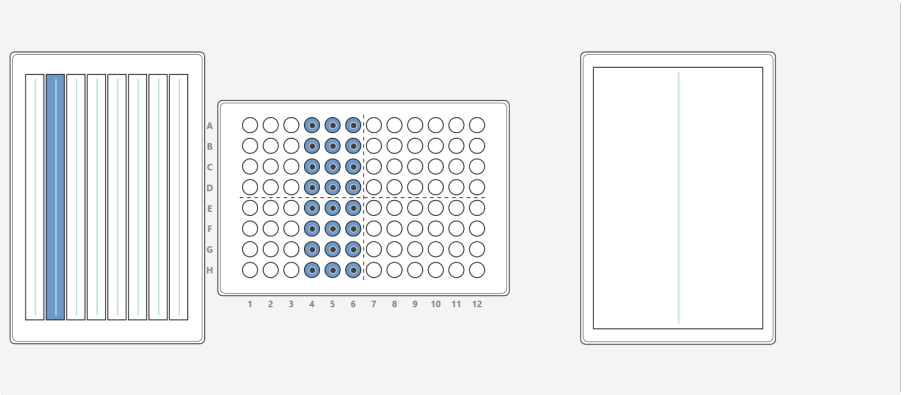
Pipetting settings

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

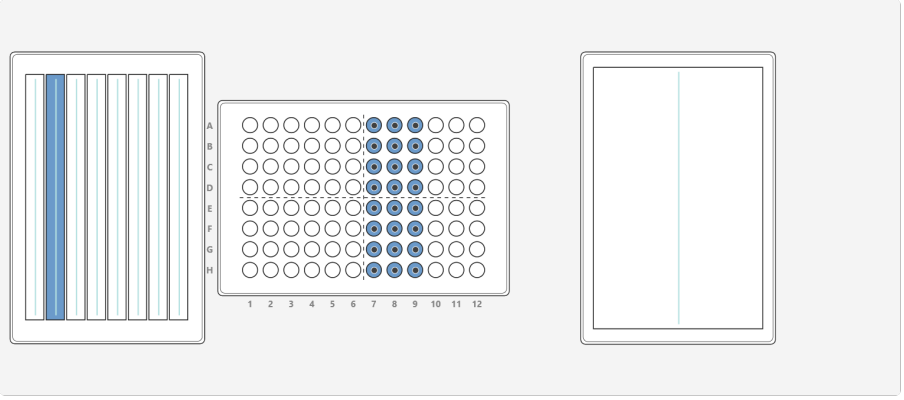
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

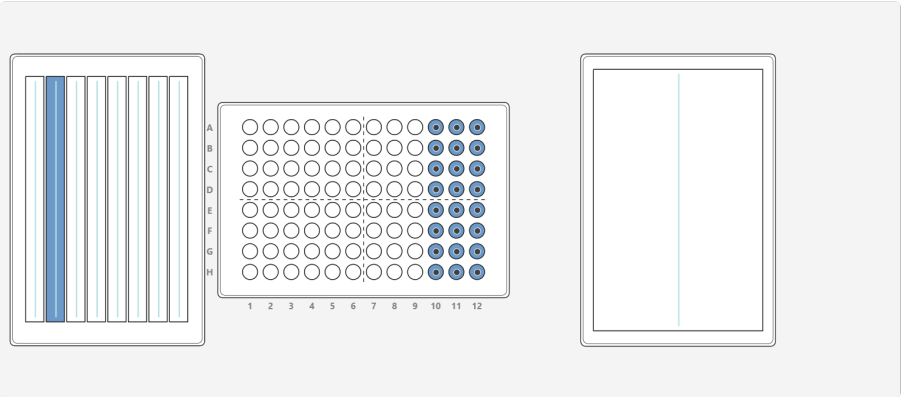
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

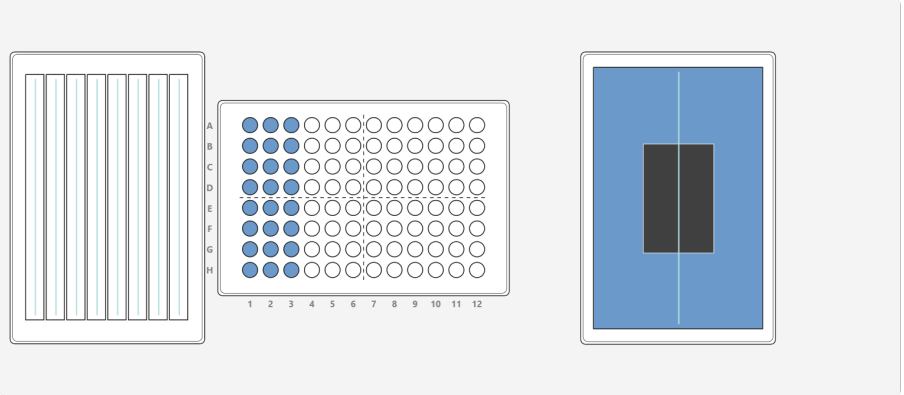
Pipetting settings

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

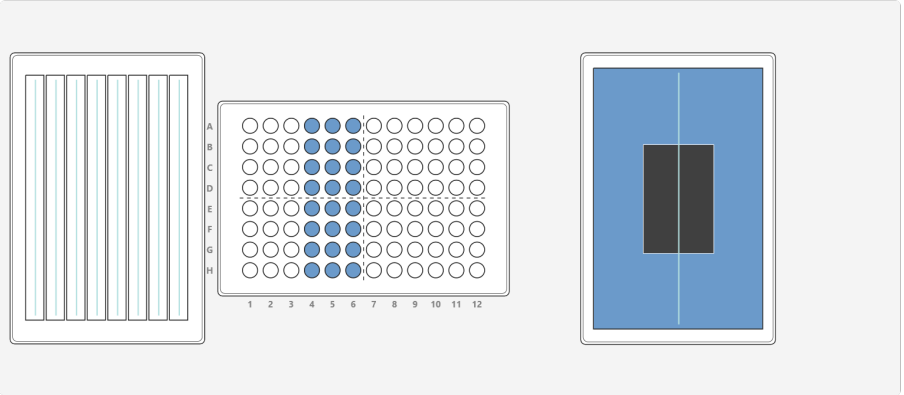
Step	Description

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

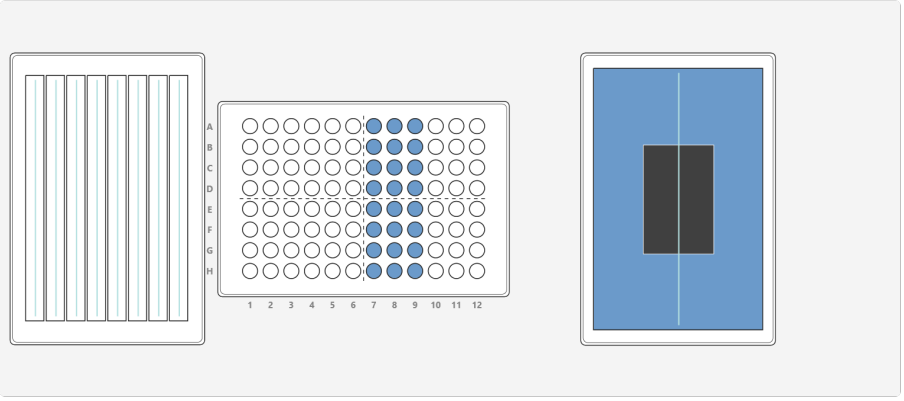
Pipetting settings

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

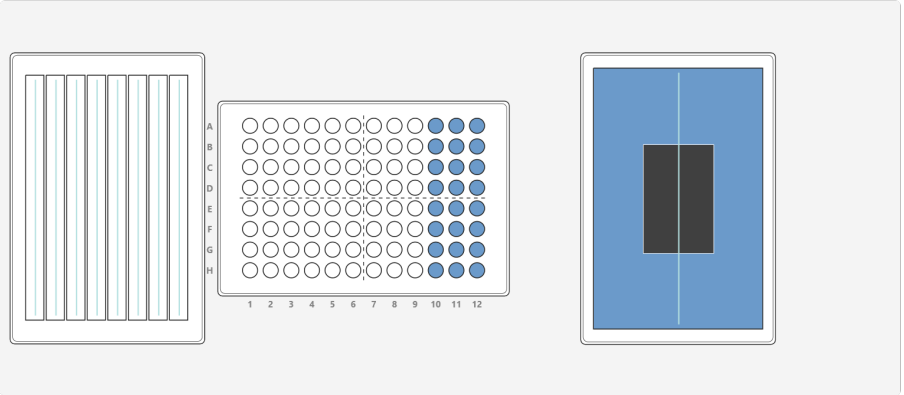
Pipetting settings

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

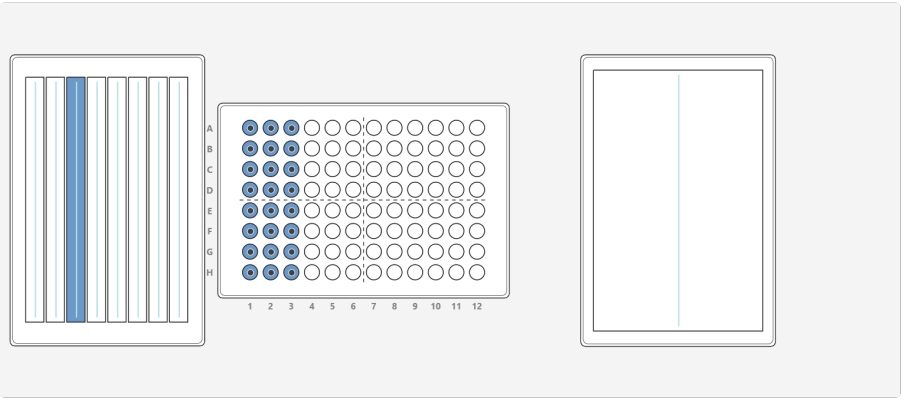
Pipetting settings

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

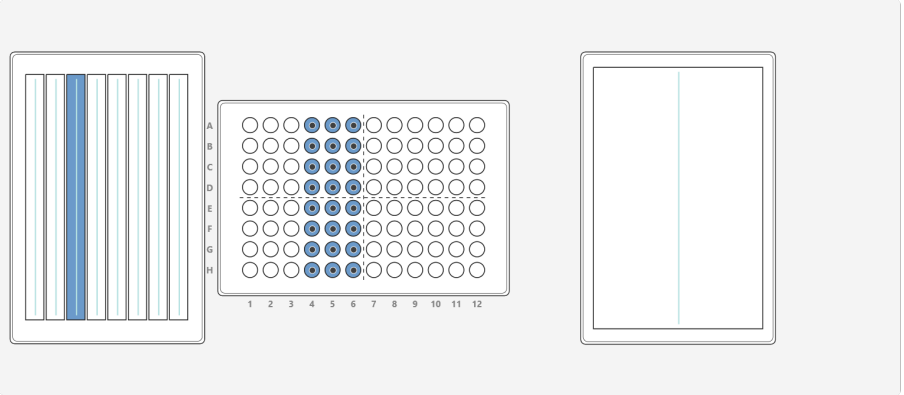
Pipetting settings

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

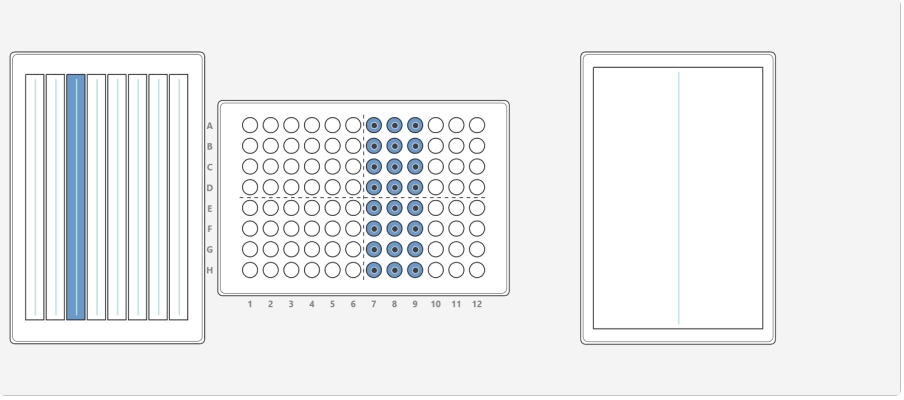
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

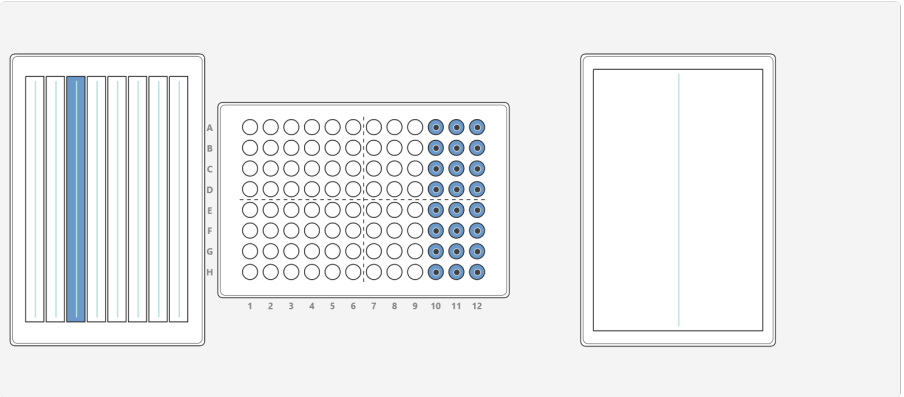
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

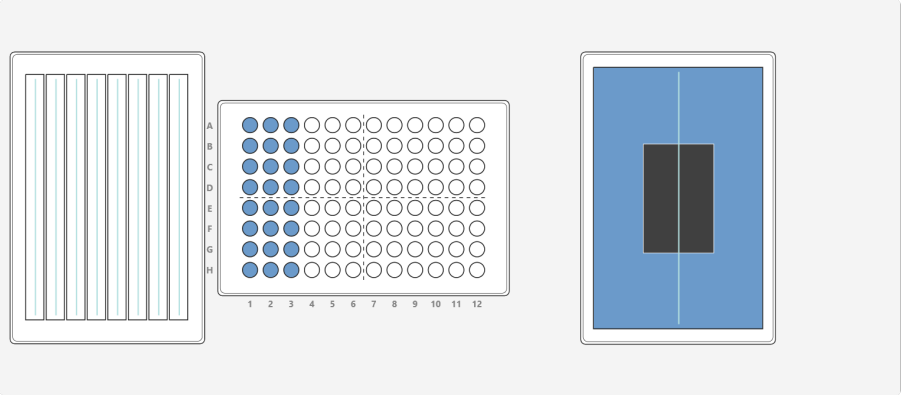
Pipetting settings

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

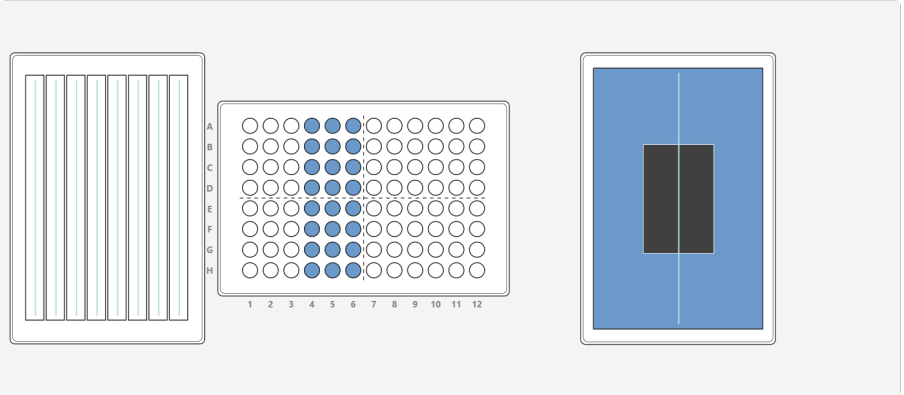
Step	Description

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	5.7 mm	C	-	10 mm	200
3	B	A6-H6	5.7 mm	C	-	10 mm	200

Step	Description

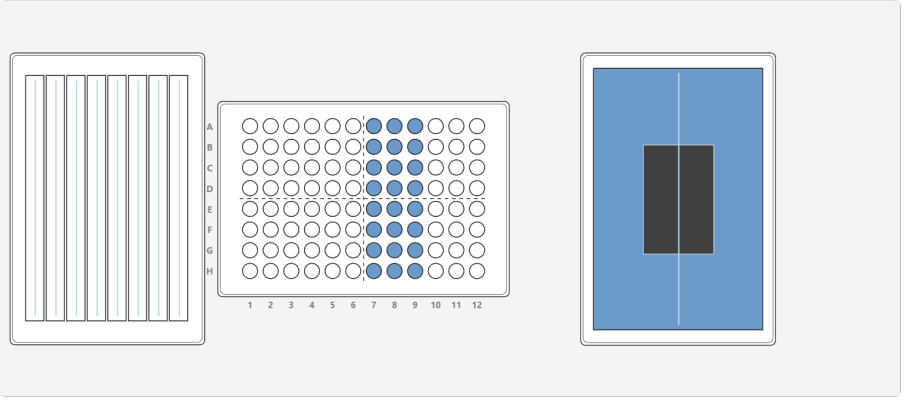
Pipetting settings

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

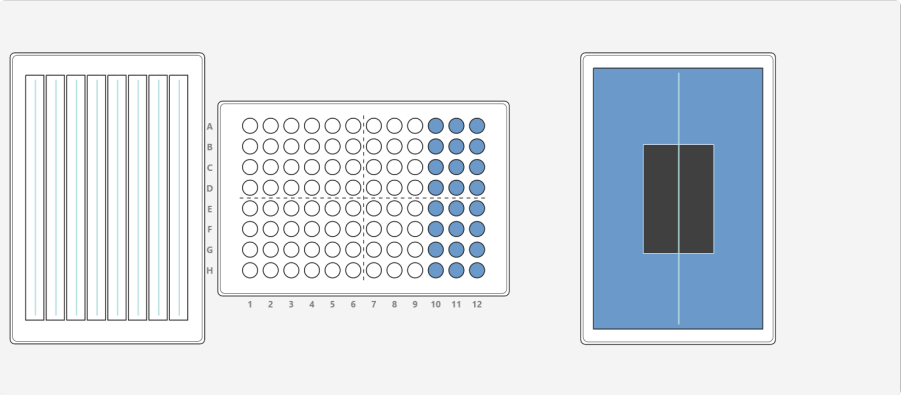
Pipetting settings

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

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
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 Message

Description:
Blot the plate

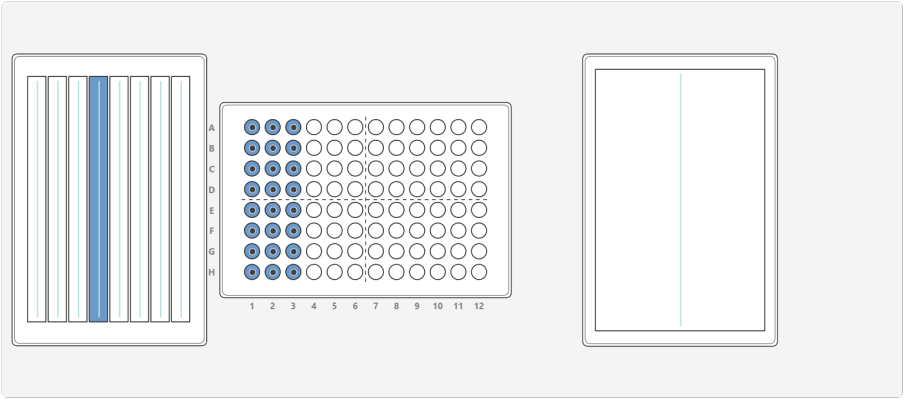
Pipetting settings

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

Step	Description
34 Repeat Dispen...	

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Conjugate 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	A4	16 mm	B	A1-H1	5.7 mm	100
2	A	A4	16 mm	B	A2-H2	5.7 mm	100
3	A	A4	16 mm	B	A3-H3	5.7 mm	100

Pipetting settings

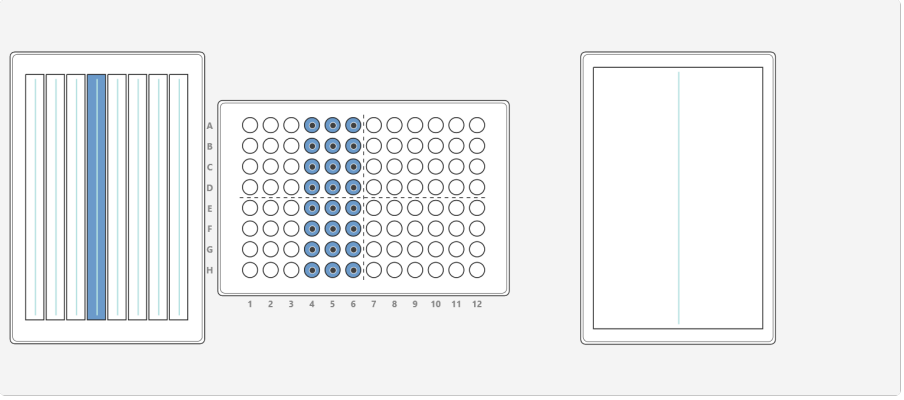
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspiration	3 0 3 0 No
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 6 mm

35 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Conjugate 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	13 mm	B	A4-H4	5.7 mm	100
2	A	A4	13 mm	B	A5-H5	5.7 mm	100
3	A	A4	13 mm	B	A6-H6	5.7 mm	100

Pipetting settings

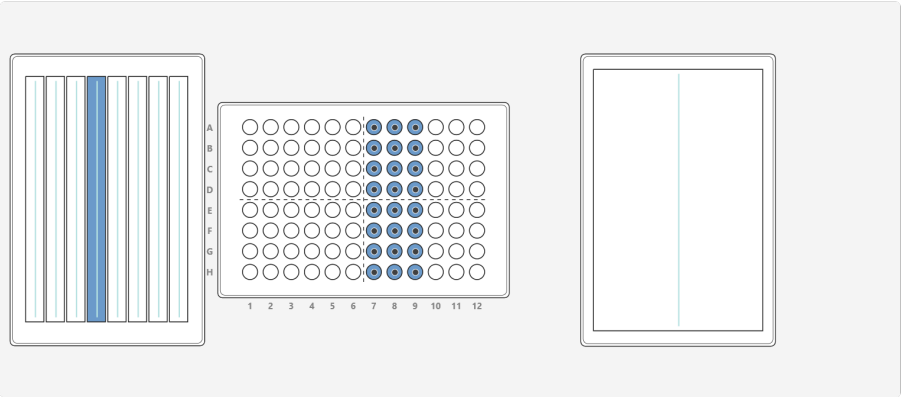
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

36 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Conjugate 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	10 mm	B	A7-H7	5.7 mm	100
2	A	A4	10 mm	B	A8-H8	5.7 mm	100
3	A	A4	10 mm	B	A9-H9	5.7 mm	100

Pipetting settings

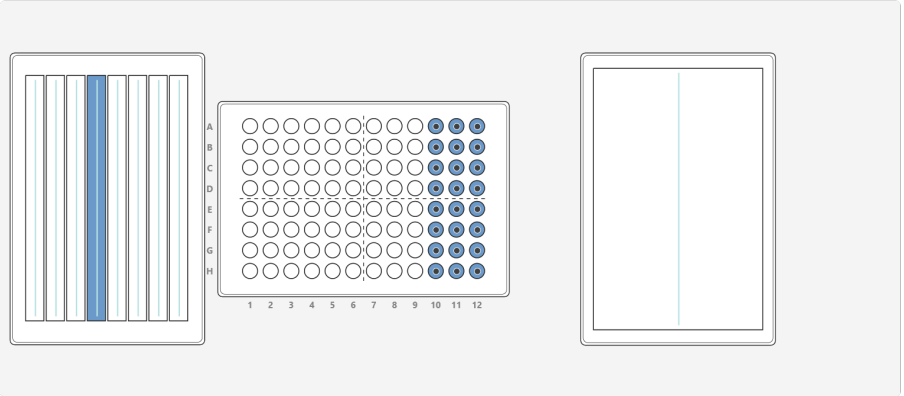
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** 9.02 mm
Volumes	Volume Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 25 µl Tip No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed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

37 Repeat Dispen...

Time:
0 min 33 sec
Used Tips:
8

Description:
Add Conjugate 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	7 mm	B	A10-H10	5.7 mm	100
2	A	A4	7 mm	B	A11-H11	5.7 mm	100
3	A	A4	7 mm	B	A12-H12	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
38 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)	6_E_Enzyme_Conjugate.iaa 6_E_Conjugate
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:	