Transfer_from_microcentrifuge_tubes Report

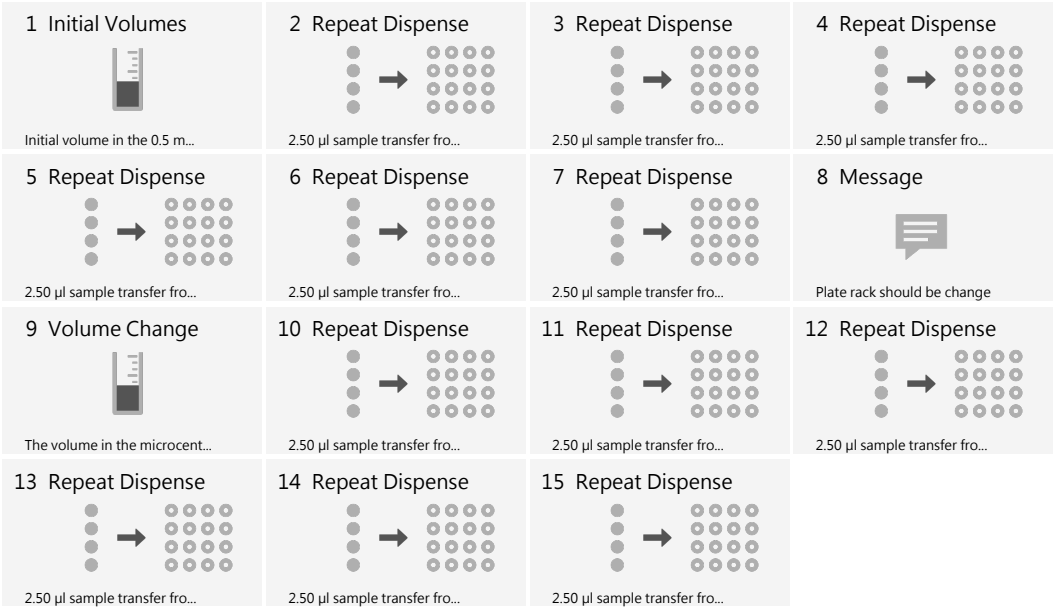
Program Name (on pipette)
Eppendorf tubes

User Credentials

Name: eva.meszaros
Date: 29. Sep. 2021

Overview Method

VOYAGER - 12.5µl - 8CH



Total Time: 5 min 52 sec

Total Tip Consumption: 96

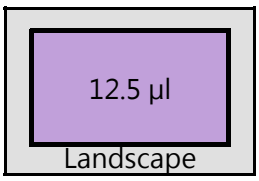
Description

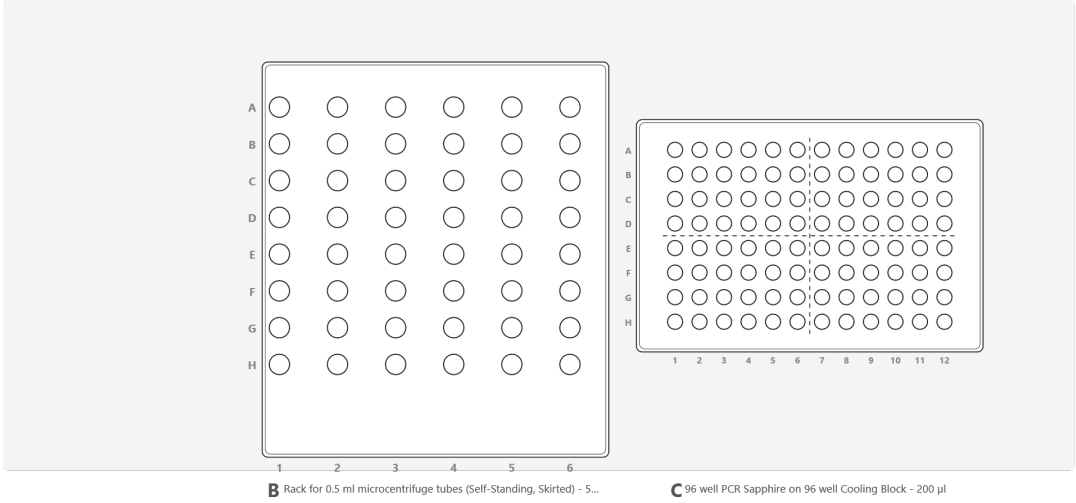
Transfer from microcentrifuge tubes

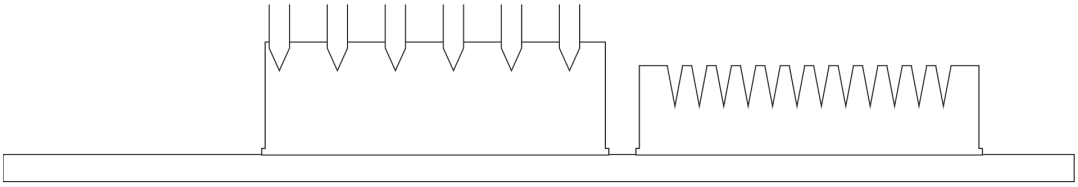
Material:
Pipette: VOYAGER 12.50 µl 8 CH
A: Empty
B: Rack for 0.5 ml microcentrifuge tubes
C: 96 well PCR Sapphire plate on 96 well cooling block

Method:
01: Initial volume in the 0.5 ml microcentrifuge tubes: 50 µl, initial volume in the PCR plate (mastermix): 17 µl.
02-07: 2.50 µl sample transfer from the microcentrifuge tubes to the PCR plate - with 0.5 µl pre- and post-dispense
08: Message - Change plate rack
09: The volume in the microcentrifuge tubes should be changed to 50 µl
10-15: 2.50 µl sample transfer from the microcentrifuge tubes to the PCR plate - with 0.5 µl pre- and post-dispense

Deck Layout







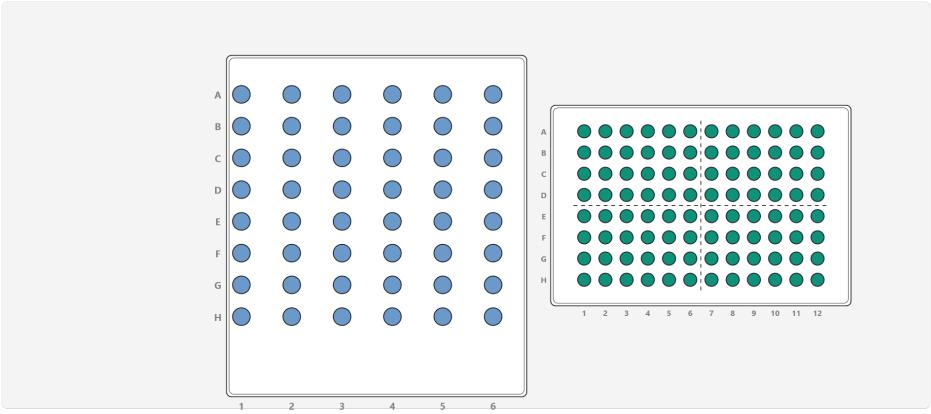
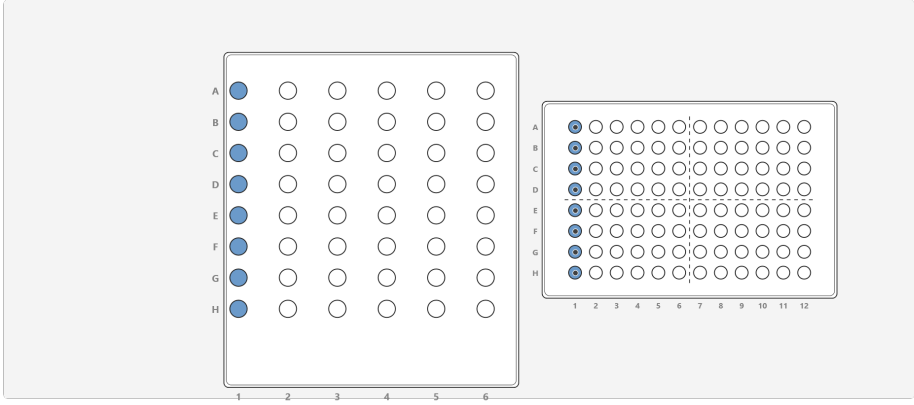
Pipette & Deck

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

Deck Labware

Deck Position	Labware	Name	Manufacturer	Part Number	Description
B	Tube Rack	Rack for 0.5 ml microcentrifuge tubes (Self-Standing, Skirted) - 500 µl	INTEGRA	4540	6x8 0.5 ml microcentrifuge tubes (Self-Standing, Skirted) e.g. STARLAB PN E1405-2120
C	Plate	96 well PCR Sapphire on 96 well Cooling Block - 200 µl	GREINER	652270	
D	Waste				

Method

Step	Description
1 Initial Volum...	
Description: Initial volume in the 0.5 ml microcentrifuge tubes: 50 µl, initial volume in the PCR plate (mastermix): 17 µl.	
2 Repeat Dispen...	
Time: 0 min 27 sec **Used Tips:** 8 **Description:** 2.50 µl sample transfer from column 1 of the microcentrifuge tubes to the column 1 of the PCR plate - with 0.5 µl pre- and post-dispense	

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	33.1 mm	C	A1-H1	20 mm	2.5

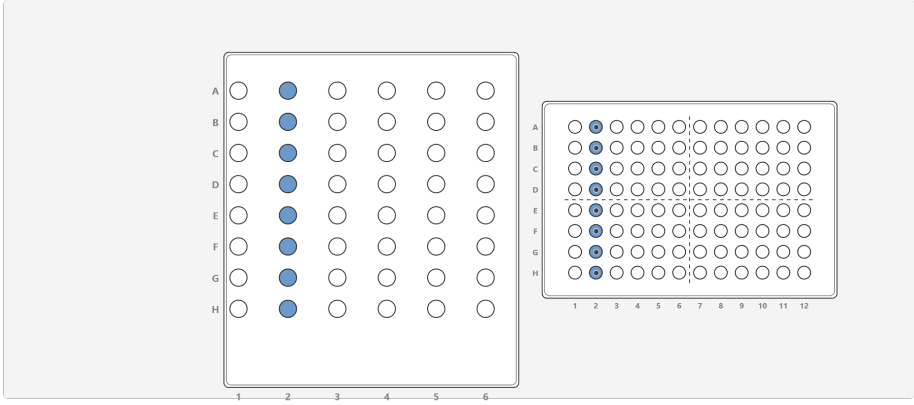
Pipetting settings

Step	Description

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After each dispense
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
Tip Touch	Tip Touch	No

3 Repeat Dispen...

Time:
0 min 29 sec
Used Tips:
8



Summary individual transfers

Step	Description

Description:
2.50 µl sample transfer from column 2 of the microcentrifuge tubes to the column 2 of the PCR plate - with 0.5 µl pre- and post-dispense

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A2-H2	34.2 mm	C	A2-H2	20 mm	2.5

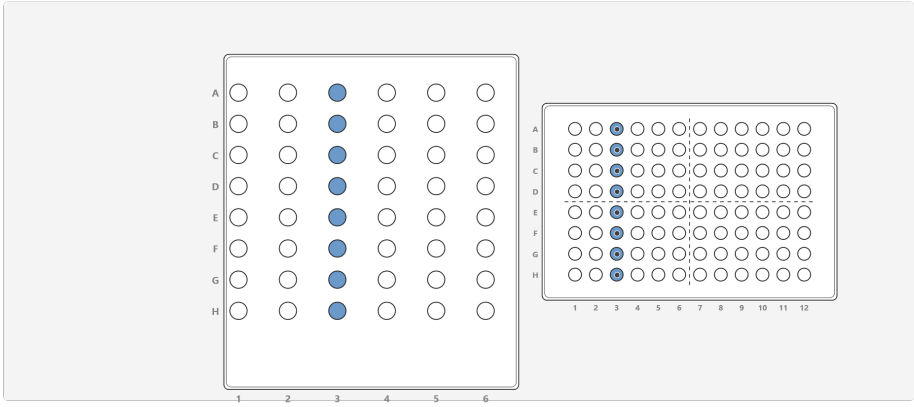
Pipetting settings

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After each dispense
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
Tip Touch	Tip Touch	No

4 Repeat Dispen...

Time:
0 min 29 sec
Used Tips:
8

Step	Description
Description: 2.50 µl sample transfer from column 3 of the microcentrifuge tubes to the column 3 of the PCR plate - with 0.5 µl pre- and post-dispense	



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A3-H3	34.2 mm	C	A3-H3	20 mm	2.5

Pipetting settings

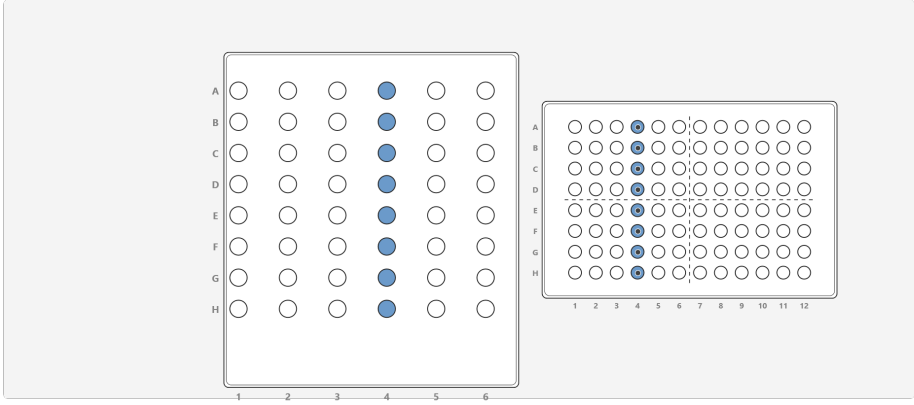
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After each dispense
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No

Step	Description		
	Tip Touch	Tip Touch	No

5 Repeat Dispen...

Time:
0 min 29 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 4 of the microcentrifuge tubes to the column 4 of the PCR plate - with 0.5 µl pre- and post-dispense



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	34.2 mm	C	A4-H4	20 mm	2.5

Pipetting settings

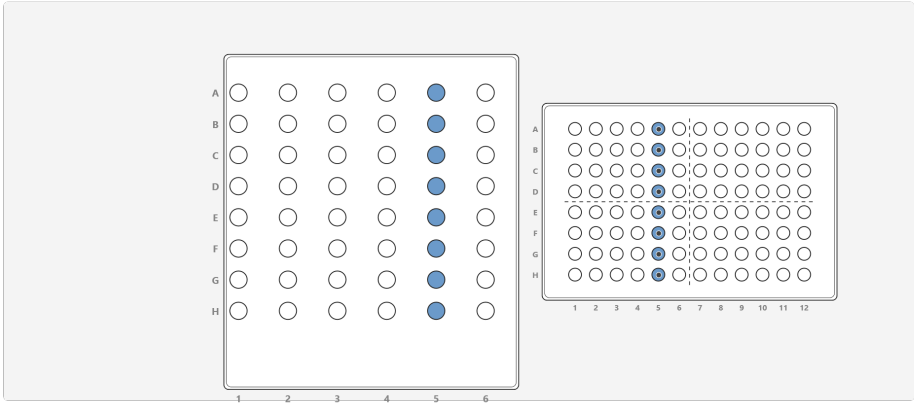
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After each dispense

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

6 Repeat Dispen...

Time:
0 min 29 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 5 of the microcentrifuge tubes to the column 5 of the PCR plate - with 0.5 µl pre- and post-dispense



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A5-H5	34.2 mm	C	A5-H5	20 mm	2.5

Pipetting settings

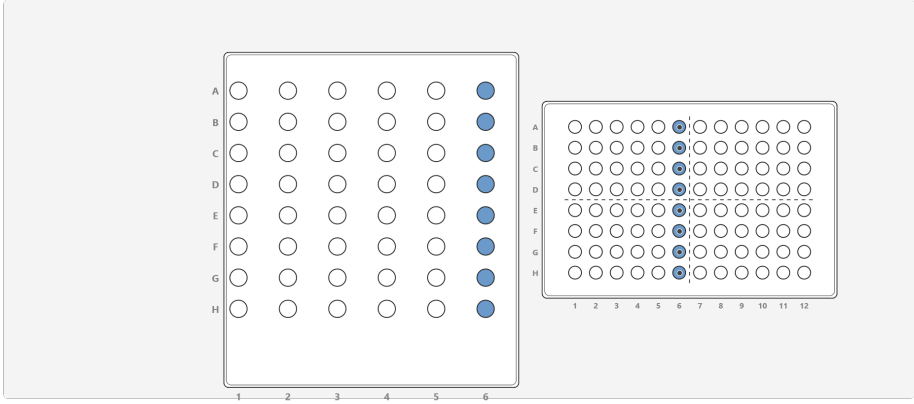
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No

Step	Description		
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch	No

7 Repeat Dispen...

Time:
0 min 28 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 6 of the microcentrifuge tubes to the column 6 of the PCR plate - with 0.5 µl pre- and post-dispense



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A6-H6	34.2 mm	C	A6-H6	20 mm	2.5

Pipetting settings

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single

Step	Description		
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch	No

8 Message

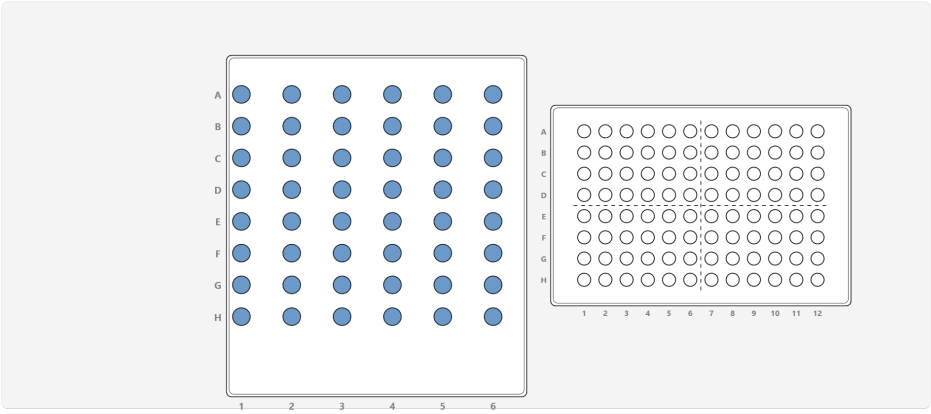
Description:
Plate rack should be change

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Change sample rack

9 Volume Change

Description:
The volume in the microcentrifuge tubes should be changed to 50 µl.

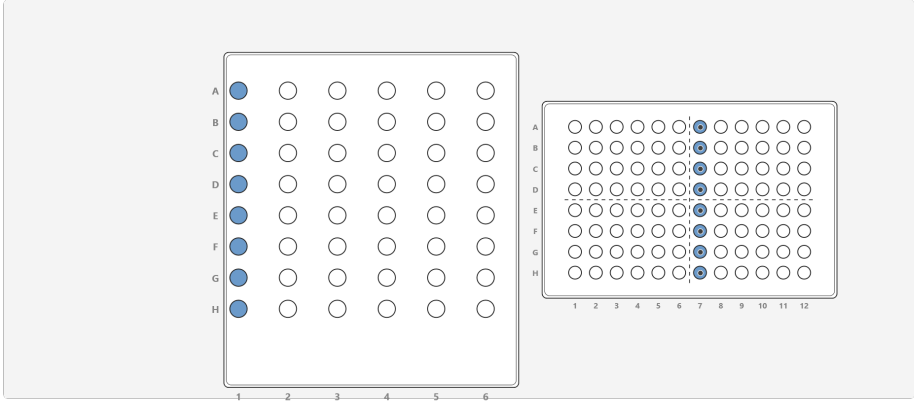


50 µl

Step	Description
10 Repeat Dispen...	

Time:
0 min 28 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 1 of the microcentrifuge tubes to the column 7 of the PCR plate - with 0.5 µl pre- and post-dispense



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	34.2 mm	C	A7-H7	20 mm	2.5

Pipetting settings

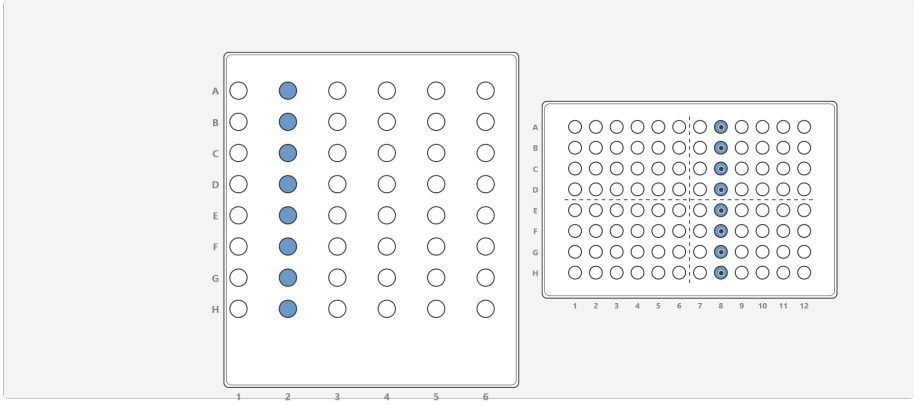
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After each dispense
Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No

Step	Description		
	Tip Touch	Tip Touch	No

11 Repeat Dispen...

Time:
0 min 29 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 2 of the microcentrifuge tubes to the column 8 of the PCR plate - with 0.5 µl pre- and post-dispense



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A2-H2	34.2 mm	C	A8-H8	20 mm	2.5

Pipetting settings

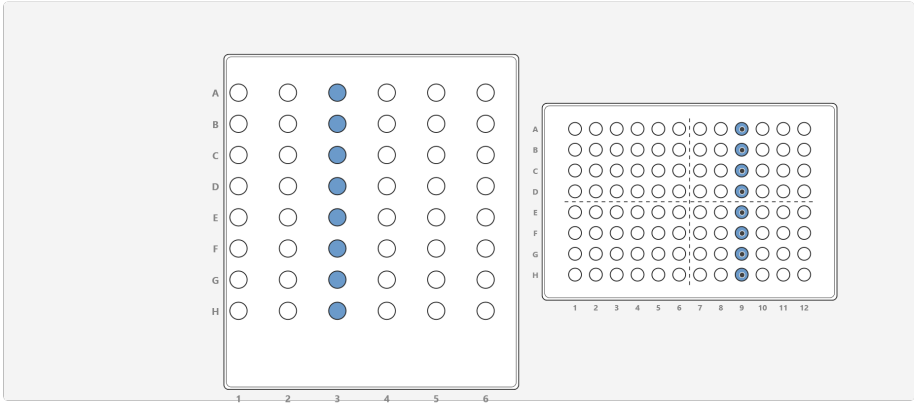
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
Tip Change	Tip Change	After each dispense

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

12 Repeat Dispen...

Time:
0 min 29 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 3 of the microcentrifuge tubes to the column 9 of the PCR plate - with 0.5 µl pre- and post-dispense



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A3-H3	34.2 mm	C	A9-H9	20 mm	2.5

Pipetting settings

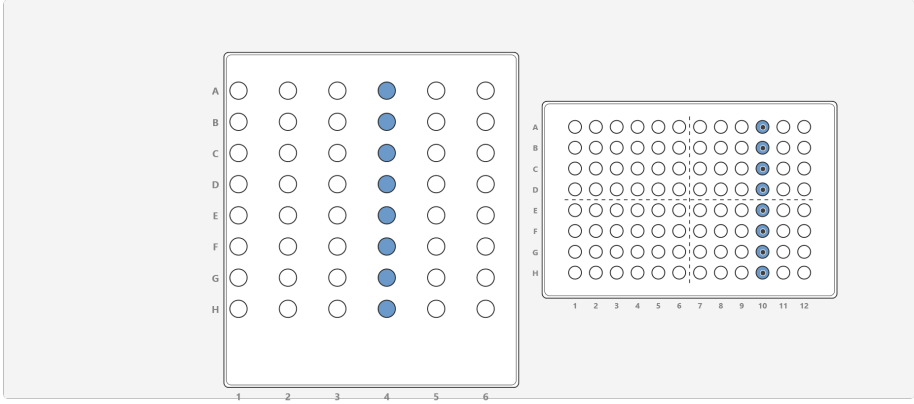
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No

Step	Description		
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch	No

13 Repeat Dispen...

Time:
0 min 28 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 4 of the microcentrifuge tubes to the column 10 of the PCR plate - with 0.5 µl pre- and post-dispense



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	34.2 mm	C	A10-H10	20 mm	2.5

Pipetting settings

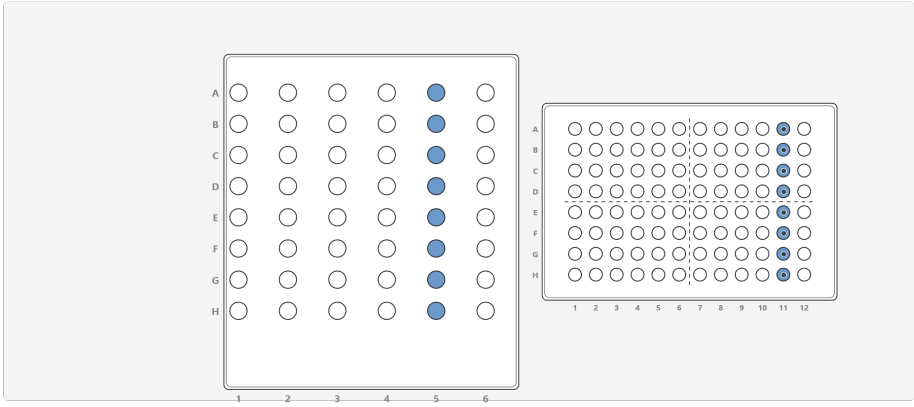
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single

Step	Description		
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch	No

14 Repeat Dispen...

Time:
0 min 28 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 5 of the microcentrifuge tubes to the column 11 of the PCR plate - with 0.5 µl pre- and post-dispense



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A5-H5	34.2 mm	C	A11-H11	20 mm	2.5

Pipetting settings

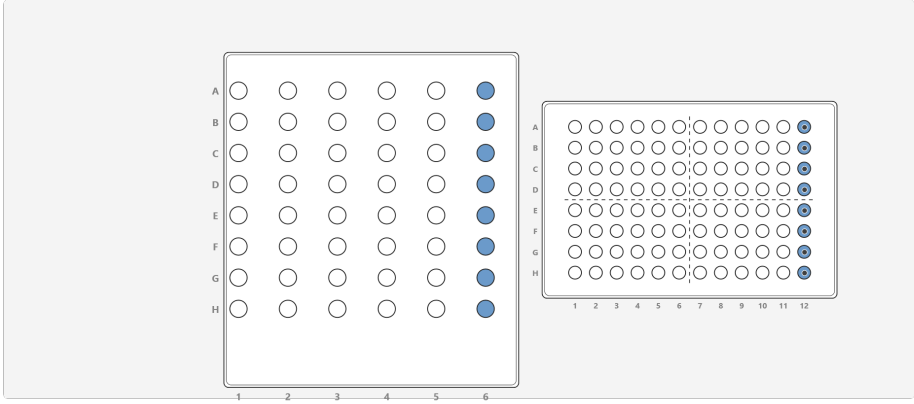
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm

Step	Description		
	Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch	No

15 Repeat Dispen...

Time:
0 min 28 sec
Used Tips:
8

Description:
2.50 µl sample transfer from column 6 of the microcentrifuge tubes to the column 12 of the PCR plate - with 0.5 µl pre- and post-dispense



Summary individual transfers

	Source			Target			
Step	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	B	A6-H6	34.2 mm	C	A12-H12	20 mm	2.5

Pipetting settings

Step	Description		
	Tab	**Parameter**	**Set value**
	Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 13.5 mm **Target:** 9 mm
	Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Tip No Single
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	8 0 8 0 No
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix No 2 mm **Target:** Fix No 2 mm
	Tip Change	Tip Change	After each dispense
	Mix	**Source:** Mixing **Target:** Mixing	**Source:** No **Target:** No
	Tip Touch	Tip Touch	No

Run Protocol

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