





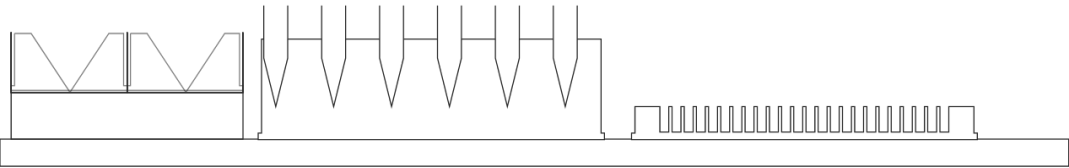
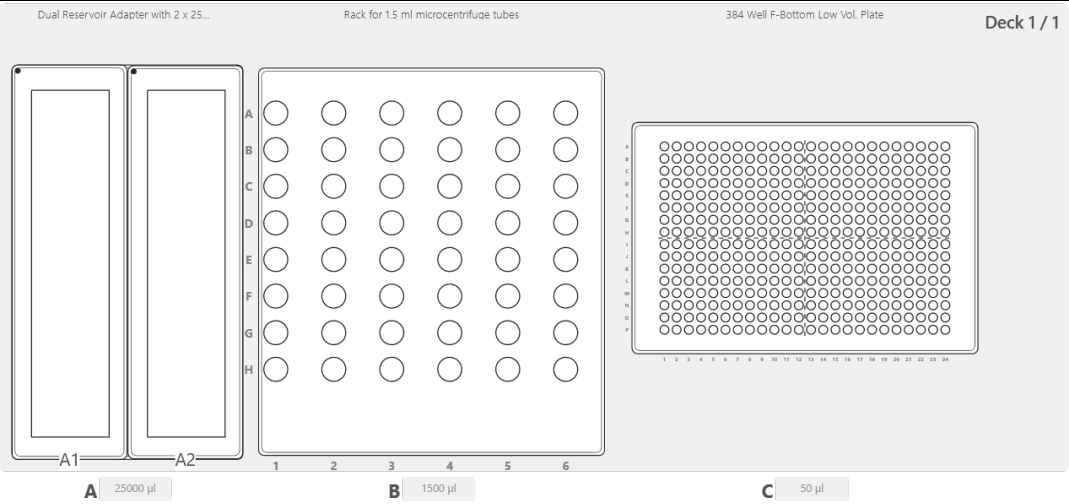
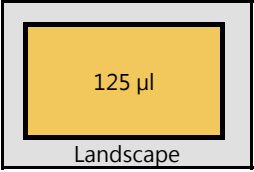


DLS 8 Samples 02 BL Report		INTEGRAL VIALAB		
Program Name		DLS 8 Samples 02 BL.iaa		
Program Name (on pipette)		DLS-8_13FEB_08		
Last Saved Date:		13. Feb 2024		
Last Save Operator:		NDziuba		
Instrument - Serial Number		0020050843		
Pipette - Serial Number		0007018881		
Tip Type (PN 6565) Lot Nr.:				
Run Operator:		NDziuba		
Run Date:		13.Feb.2024		
Run Start Time:		14:08		
Run End Time:		14:25		
Notes:		14:08:57 : Run started 14:09:00 : Repeat Dispense (Step 02) 14:10:47 : Repeat Dispense (Step 03) 14:12:06 : Message (Step 04) 14:12:07 : Wait for user input. Ready to continue protocol 14:20:02 : Run continued 14:20:03 : Serial Dilution (Step 05) 14:25:42 : Run finished		
Signature:				
Overview Method				
 VOYAGER - 50µl - 8CH	<div>1 Initial Volumes</div> 	<div>2 Repeat Dispense</div> 	<div>3 Repeat Dispense</div> 	<div>4 Message</div> 
	<div>5 Serial Dilution</div> 			
Total Time:		7 min 49 sec		
Total Tip Consumption:		24		
Deck Layout				



Pipette & Deck

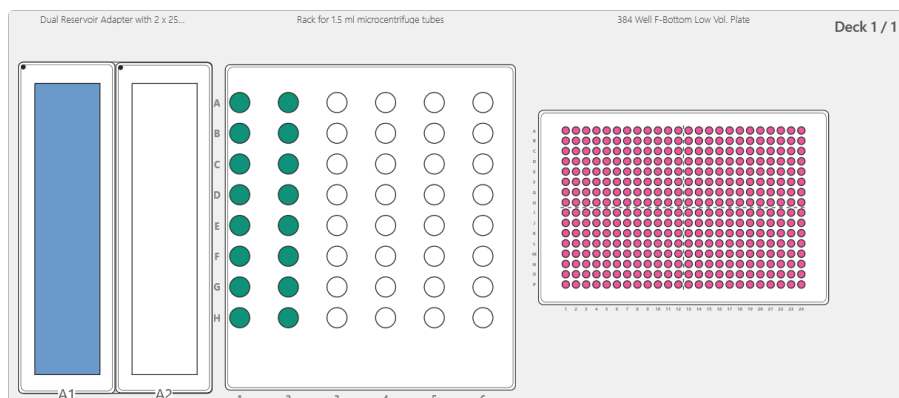
Labware	Name	Manufacturer	Part Number
Pipette	VOYAGER 50 µl 8 channels	INTEGRA	4726
Pipette Tip	50/125 µl GripTip, Sterile, Filter, Low retention	INTEGRA	6565
Deck	3 Position Universal Deck	INTEGRA	4520

Deck Labware

Deck Position	Labware	Name	Manufacturer	Part Number	Description
A	COMBI System	Dual Reservoir Adapter with 2 x 25 ml Reservoirs	INTEGRA	4547	Dual Reservoir Adapter (PN 4547) with 2 x 25 ml Multichannel Reagent Reservoirs
	A1	25 ml Multichannel Reagent Reservoir (Insert)	INTEGRA	4310, 4311, 4312, 4315, 4316, 4317, 4380, 4381, 4382	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
	A2	25 ml Multichannel Reagent Reservoir (Insert)	INTEGRA	4310, 4311, 4312, 4315, 4316, 4317, 4380, 4381, 4382	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
B	Tube Rack	Rack for 1.5 ml microcentrifuge tubes - 1500 µl	INTEGRA	4540	6x8 1.5 ml microcentrifuge tubes
C	Plate	384 Well F-Bottom Low Vol. Plate - 50 µl	CORNING	3820, 3821, 3822, 3824, 3825, 3826, 3540, 3542, 4518, 4681, 4581, 4583, 4585, 4587	
D	Waste				

Method

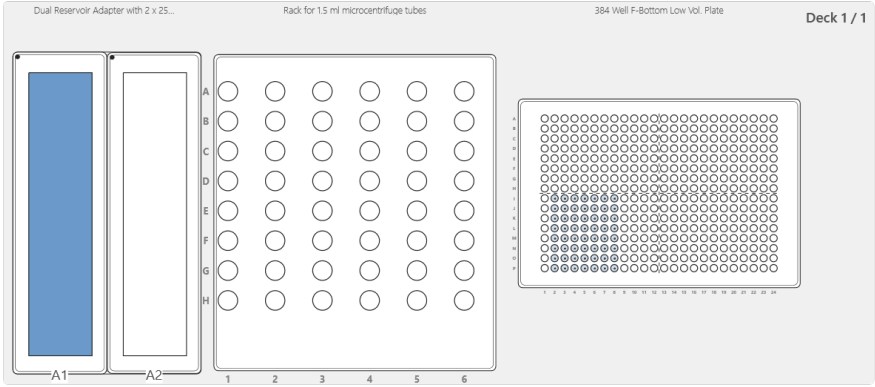
1 Initial Volumes



2 Repeat Dispense



Time:
2 min 16 sec
Used Tips:
8




Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	1	19.3 mm	C	I2-P2	4.1 mm	22
2	A	1	19.3 mm	C	I3-P3	4.1 mm	22
3	A	1	19.3 mm	C	I4-P4	4.1 mm	22
4	A	1	19.3 mm	C	I5-P5	4.1 mm	22
5	A	1	19.3 mm	C	I6-P6	4.1 mm	22
6	A	1	19.3 mm	C	I7-P7	4.1 mm	22
7	A	1	19.3 mm	C	I8-P8	4.1 mm	22

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	5 µl
	Post-Dispense	5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	7
	Aspiration Delay	0
	Dispense Speed	7
	Dispense Delay	0
Pipetting Height	Exit Liquid Slowly	No
	Aspirate	No
	Dispense	No
	Source:	Source:
	Heights	A1: Fix
Tip Change	Tip Travel	No
	Safety Bottom Offset	A1: 2 mm
	Target:	Target:
	Heights	C: Fix
	Tip Travel	No
Tip Touch	Safety Bottom Offset	C: 1 mm
	Tip Change	After step complete
	Tip Touch	Yes
	Type of Tip Touch	C: Side
	Tip Touch Distance	C: 1.2 mm
	Tip Touch Height	C: 10.2 mm

3 Repeat Dispense



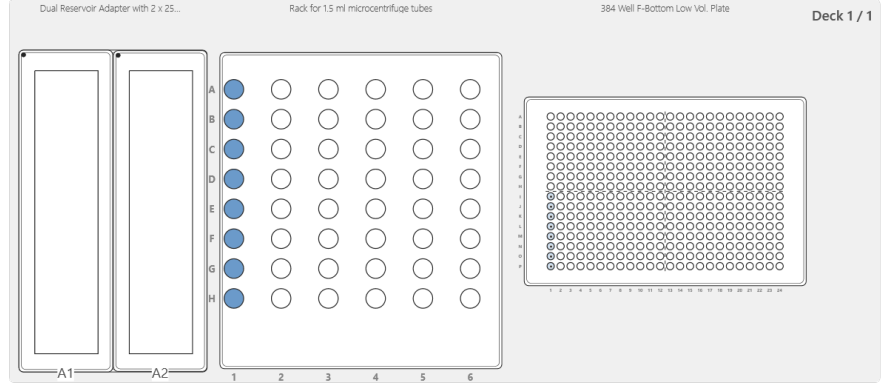
Time:
1 min 4 sec
Used Tips:
8

Dual Reservoir Adapter with 2 x 25...

Rack for 1.5 ml microcentrifuge tubes

384 Well F-Bottom Low Vol. Plate

Deck 1 / 1



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	B	A1-H1	14.2 mm	C	I1-P1	4.1 mm	44

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 2 µl 2 µl Source No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Exit Liquid Slowly Aspirate Dispense	7 2 7 1 No No
Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: B: Fix No B: 2 mm Target: C: Fix No C: 1 mm
Tip Change	Tip Change	After step complete
Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes C: Side C: 1.2 mm C: 10.2 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Pipetting Height	Volume [µl]
1	B	A1-H1	14.2 mm	45

Tab	Parameter	Set value
Mix	Source: Mixing Mix Cycles Mix Speed Mix Pause Tip Travel Target: Mixing	Source: Yes 6 5 1 s No Target: No

4 Message



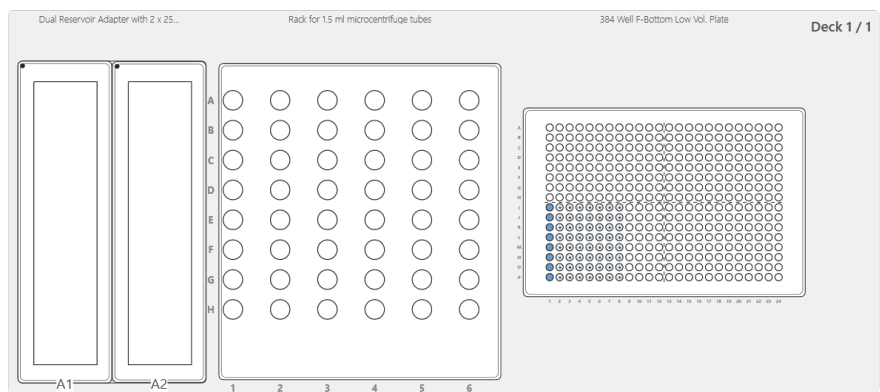
Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Centrifuge 1000g 5 min

5 Serial Dilution



Time:
4 min 22 sec
Used Tips:
8



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	I1-P1	4.1 mm	C	I2-P2	4.1 mm	22
2				C	I3-P3	4.1 mm	22
3				C	I4-P4	4.1 mm	22
4				C	I5-P5	4.1 mm	22
5				C	I6-P6	4.1 mm	22
6				C	I7-P7	4.1 mm	22
7				C	I8-P8	4.1 mm	22

Pipetting settings

Tab	Parameter	Set value
Volumes	Last Aspiration	Tip
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Exit Liquid Slowly Aspirate Dispense	7 2 7 1 No No
Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: C: Fix No C: 1 mm Target: C: Fix No C: 1 mm
Tip Change	Tip Change	After step complete
Tip Touch	Tip Touch	No

Mix Summary

Mix Target

Target				
Step	Deck Position	Well Positions	Pipetting Height	Volume [µl]
1	C	-	4.1 mm	20.05
2	C	-	4.1 mm	20.05
3	C	-	4.1 mm	20.05
4	C	-	4.1 mm	20.05
5	C	-	4.1 mm	20.05
6	C	-	4.1 mm	20.05
7	C	-	4.1 mm	20.05

Tab	Parameter	Set value
Mix	Source: Mixing Target: Mixing Mix Cycles Mix Speed Mix Pause Tip Travel	Source: No Target: Yes 10 7 2 s No