2-RT-PCR-Set-up Report

Program Name (on pipette)
2-RT-PCR-set-up

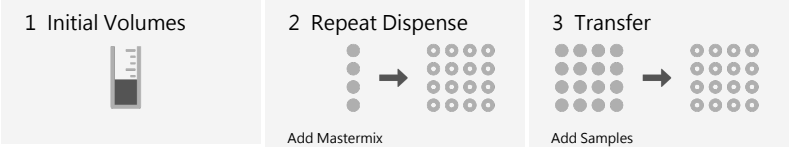
INTEGRA VIALAB

User Credentials

Name: LSa
Date: 7. Apr. 2020

Overview Method

VOYAGER - 50µl - 8CH

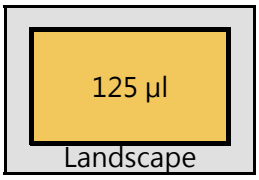


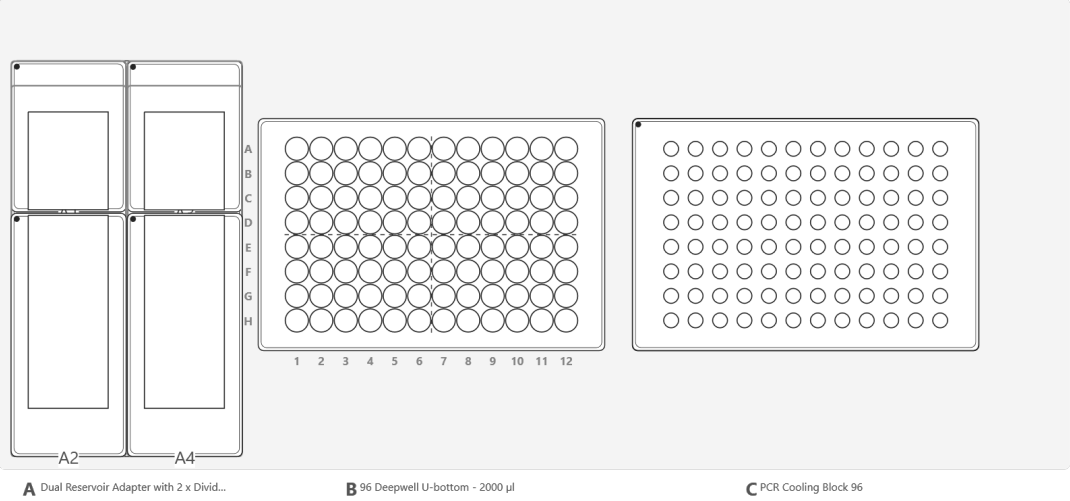
Total Time: 10 min 21 sec
Total Tip Consumption: 104

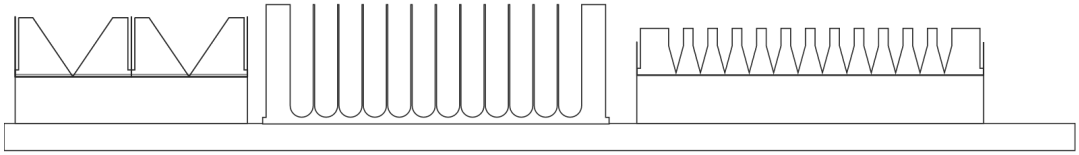
Description

RT-PCR Set-up.
Add mastermix then nucleic acid samples.

Deck Layout







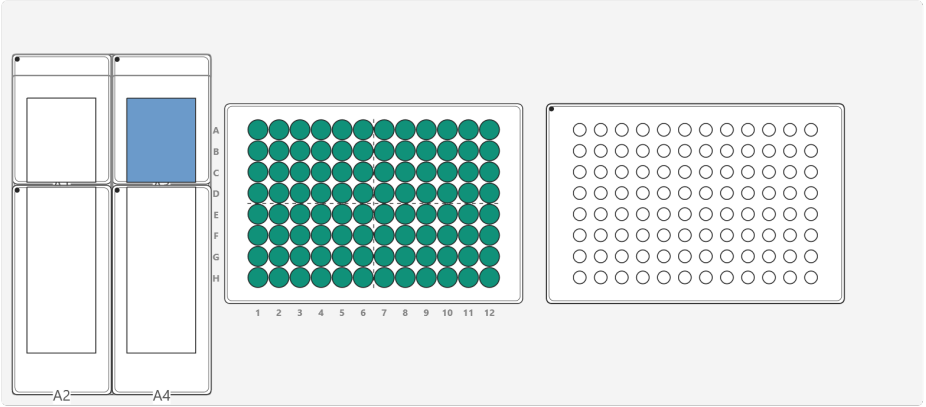
Pipette & Deck

Labware	Name	Manufacturer	Part Number
Pipette	VOYAGER 50µl 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 Divided Reservoirs	INTEGRA	4547	Dual Reservoir Adapter (PN 4547) with 2 x Divided Reagent Reservoirs
	A1	Divided Reagent Reservoir 5 ml compartment (Insert)	INTEGRA	4304, 4351, 4352, 4356, 4357	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
	A2	Divided Reagent Reservoir 10 ml compartment (Insert)	INTEGRA	4304, 4351, 4352, 4356, 4357	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
	A3	Divided Reagent Reservoir 5 ml compartment (Insert)	INTEGRA	4304, 4351, 4352, 4356, 4357	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
	A4	Divided Reagent Reservoir 10 ml compartment (Insert)	INTEGRA	4304, 4351, 4352, 4356, 4357	Polystyrene or Polypropylene use with Dual Reservoir Adapter (PN 4547) only
B	Plate	96 Deepwell U-bottom - 2000 µl	NUNC	278743, 278752	
C	COMBI System	PCR Cooling Block 96		6250	
	C1	Fast 96 well Reaction Plate	APPLIED BIOSYSTEMS	4346907	
D	Waste				

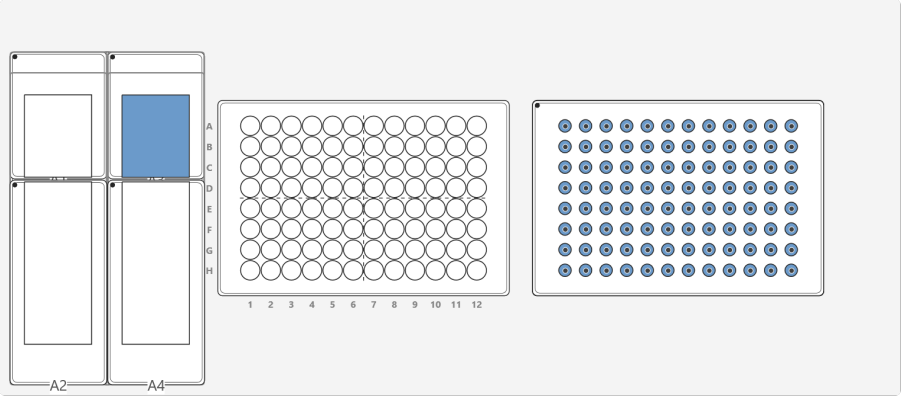
Method

Step	Description
1 Initial Volum...	
2 Repeat Dispen...	

Step	Description

Time:
3 min 30 sec
Used Tips:
8

Description:
Add Mastermix



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	21.9 mm	C	C1 A1-H1	20 mm	20
2	A	A3	21.9 mm	C	C1 A2-H2	20 mm	20
3	A	A3	21.9 mm	C	C1 A3-H3	20 mm	20
4	A	A3	21.9 mm	C	C1 A4-H4	20 mm	20
5	A	A3	21.9 mm	C	C1 A5-H5	20 mm	20
6	A	A3	21.9 mm	C	C1 A6-H6	20 mm	20
7	A	A3	21.9 mm	C	C1 A7-H7	20 mm	20
8	A	A3	21.9 mm	C	C1 A8-H8	20 mm	20
9	A	A3	21.9 mm	C	C1 A9-H9	20 mm	20
10	A	A3	21.9 mm	C	C1 A10-H10	20 mm	20
11	A	A3	21.9 mm	C	C1 A11-H11	20 mm	20
12	A	A3	21.9 mm	C	C1 A12-H12	20 mm	20

Pipetting settings

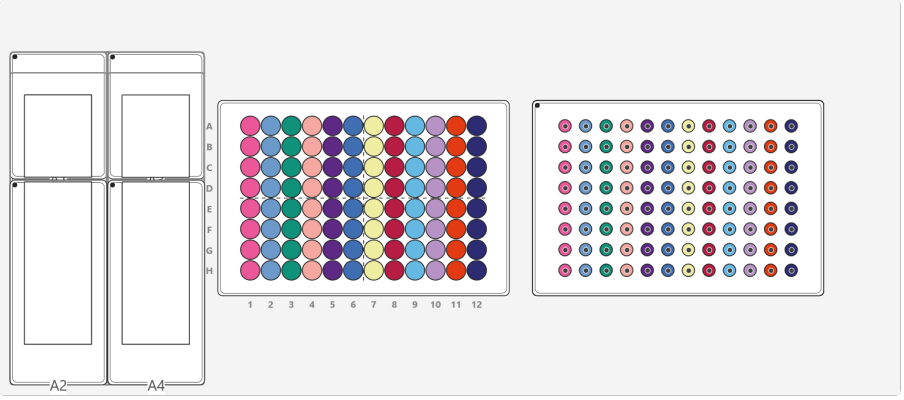
Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** A3: 4.5 mm **Target:** C1: 9 mm
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 1 µl 2 µl Source No Multi
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	2 0 2 0 No
Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** A3: Fix Yes A3: 0 mm **Target:** C1: Fix Yes C1: 0.5 mm

Step	Description		
	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 C1: 25 mm

3 Transfer

Time:
6 min 45 sec
Used Tips:
96

Description:
Add Samples



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	4.2 mm	C	C1 A1-H1	25 mm	5
2	B	A2-H2	4.2 mm	C	C1 A2-H2	25 mm	5
3	B	A3-H3	4.2 mm	C	C1 A3-H3	25 mm	5
4	B	A4-H4	4.2 mm	C	C1 A4-H4	25 mm	5
5	B	A5-H5	4.2 mm	C	C1 A5-H5	25 mm	5
6	B	A6-H6	4.2 mm	C	C1 A6-H6	25 mm	5
7	B	A7-H7	4.2 mm	C	C1 A7-H7	25 mm	5
8	B	A8-H8	4.2 mm	C	C1 A8-H8	25 mm	5
9	B	A9-H9	4.2 mm	C	C1 A9-H9	25 mm	5
10	B	A10-H10	4.2 mm	C	C1 A10-H10	25 mm	5
11	B	A11-H11	4.2 mm	C	C1 A11-H11	25 mm	5
12	B	A12-H12	4.2 mm	C	C1 A12-H12	25 mm	5

Pipetting settings

Tab	Parameter	Set value
Pipetting location	**Source:** Tip Spacing **Target:** Tip Spacing	**Source:** 9 mm **Target:** C1: 9 mm
Volumes	Volume Air Gap	Fix 1.5 µl

Step	Description		
	Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Aspirate	2 0 2 0 No
	Pipetting Height	**Source:** Heights Tip Travel Safety Bottom Offset **Target:** Heights Tip Travel Safety Bottom Offset	**Source:** Fix Yes 0 mm **Target:** C1: Fix Yes C1: 2 mm
	Tip Change	Tip Change	After each transfer
	Mix	**Source:** Mixing **Target:** Mixing Mix Volume Mix Cycles Mix Speed Tip Travel Start Height	**Source:** No **Target:** Yes C1: 10 µl 1 2 Yes C1: 24.5 mm
	Tip Touch	Tip Touch Type of Tip Touch Tip Touch Height	Yes Liquid C1: 25.5 mm

Run Protocol

Program Name Program Name (on pipette)	2-RT-PCR-Set-up.iaa 2-RT-PCR-set-up
Instrument - Serial Number ASSIST PLUS	
Pipette - Serial Number VOYAGER - 50µl - 8CH	
Pipette Tips - Lot Number 50/125 µl GripTip, Sterile, Filter, Low retention	
Notes:	
Run Operator:	
Run Date:	
Run Start Time:	
Run End Time:	
Signature:	