

Nucleic acid concentration Implen Report

Program Name (on pipette)

IMPLEN - DNA

INTEGRA
VIALAB

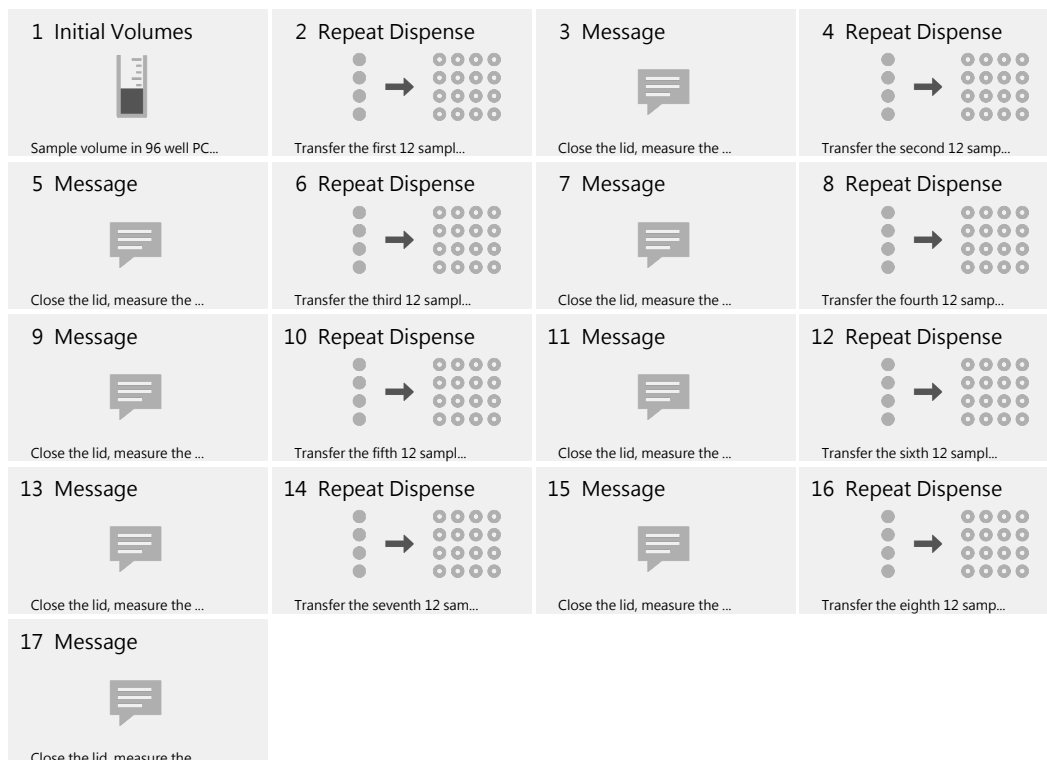
User Credentials

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Date: 17. Feb. 2023

Overview Method



VOYAGER -
12.5µl - 12CH



Total Time: 4 min 51 sec
Total Tip Consumption: 96

Description

Nucleic acid concentration measurement with the ASSIST PLUS, VOYAGER and Implen's N120

Material:

Pipette: VOYAGER - 12 CH - 12.5 µl

A: 96 well PCR plate (Sapphire plate, Greiner Bio-One - 652270) on a PCR cooling block - 96

B: Implen NanoPhotometer N120

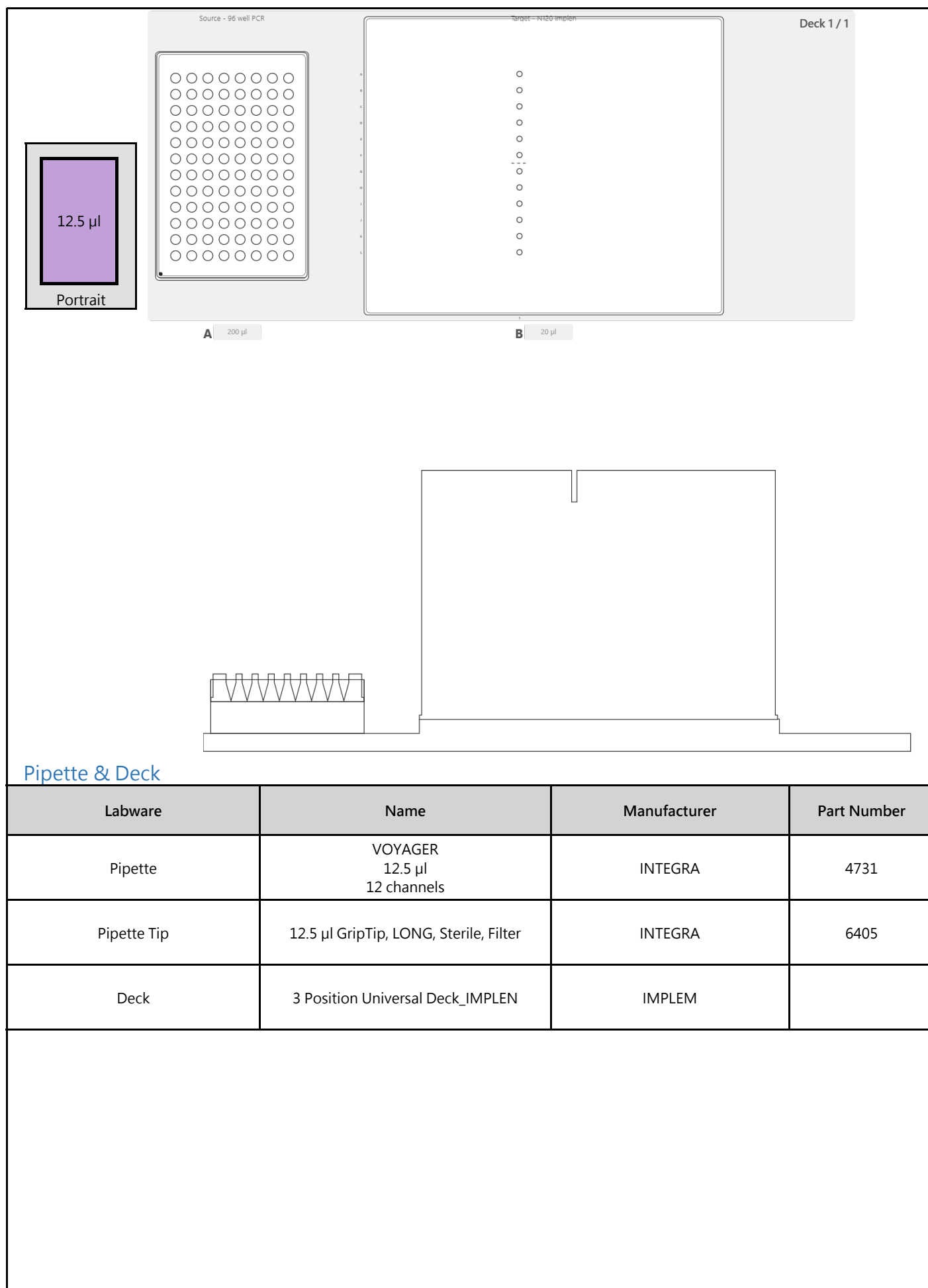
Method:

01: Initial volume - sample volume in 96 well PCR plate: 20 µl

02, 04, 06, 08, 10, 12, 14, 16: Sample transfer - repeat dispense - 2 µl

03, 05, 07, 09, 11, 13, 15, 17: Message - Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors in the lid with a slightly wet lint-free tissue.

Deck Layout



Deck Labware

Deck Position	Labware	Name	Manufacturer	Part Number	Description
A	COMBI System	PCR Cooling Block 96		6250	
	A1	96 Well PCR Sapphire Plate	GREINER	652270	
B	Plate	IMPLEN_NanoPhotometer_N120 _Copy - 20 µl	IMPLEN		
D	Waste				

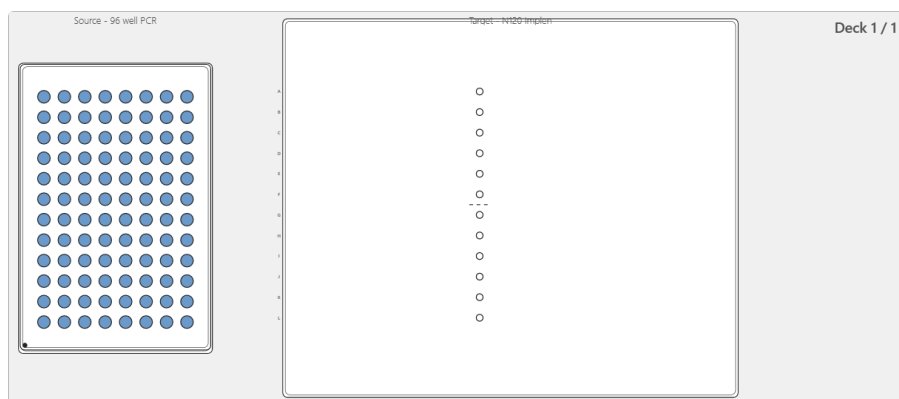
Method

1 Initial Volumes



Description:

Sample volume in 96 well PCR plate: 20 µl.



20 µl

2 Repeat Dispense



Time:
0 min 34 sec
Used Tips:
12

Description:
Transfer the first 12 samples.



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 A12-A1	19.4 mm	B	A1-L1	131.3 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 µl
	Post-Dispense	0.5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
	Exit Liquid Slowly	No
	Aspirate	No
Pipetting Height	Source:	Source:
	Heights	A1: Fix
	Tip Travel	No
	Safety Bottom Offset	A1: 1 mm
	Target:	Target:
	Heights	B: Fix
Tip Change	Tip Change	After each dispense
	Tip Touch	Yes
Tip Touch	Type of Tip Touch	B: Liquid
	Tip Touch Distance	B: 1 mm
	Tip Touch Height	B: 130.1 mm

3 Message



Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

4 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the second 12 samples.



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 B12-B1	19.4 mm	B	A1-L1	131.4 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume Pre-Dispense Post-Dispense Post-Dispense Location Reuse Post-Dispense Dispense Type	Fix 0.5 µl 0.5 µl Source No Single
Pipetting Speeds	Aspiration Speed Aspiration Delay Dispense Speed Dispense Delay Exit Liquid Slowly Aspirate Dispense	8 0 5 0 No No
Pipetting Height	Source: Heights Tip Travel Safety Bottom Offset Target: Heights Tip Travel Safety Bottom Offset	Source: A1: Fix No A1: 1 mm Target: B: Fix No B: 2 mm
Tip Change	Tip Change	After each dispense
Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes B: Liquid B: 1 mm B: 130.1 mm

5 Message



Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

6 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the third 12 samples.



Summary individual transfers

Step	Source			Target			Volume [μl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 C12-C1	19.4 mm	B	A1-L1	131.5 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 μl
	Post-Dispense	0.5 μl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
Pipetting Height	Exit Liquid Slowly	No
	Aspirate	No
	Dispense	No
	Source: Heights	Source: A1: Fix
	Tip Travel	No
Tip Change	Safety Bottom Offset	A1: 1 mm
	Target: Heights	Target: B: Fix
	Tip Travel	No
	Safety Bottom Offset	B: 2 mm
	Tip Change	After each dispense
Tip Touch	Tip Touch	Yes
	Type of Tip Touch	B: Liquid
	Tip Touch Distance	B: 1 mm
	Tip Touch Height	B: 130.1 mm

7 Message



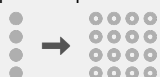
Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

8 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the fourth 12 samples.



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 D12-D1	19.4 mm	B	A1-L1	131.7 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 µl
	Post-Dispense	0.5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
	Exit Liquid Slowly	No
	Aspirate	No
Pipetting Height	Source:	Source:
	Heights	A1: Fix
	Tip Travel	No
	Safety Bottom Offset	A1: 1 mm
	Target:	Target:
	Heights	B: Fix
Tip Change	Tip Travel	No
	Safety Bottom Offset	B: 2 mm
	Tip Change	After each dispense
	Tip Touch	Yes
Tip Touch	Type of Tip Touch	B: Liquid
	Tip Touch Distance	B: 1 mm
	Tip Touch Height	B: 130.1 mm

9 Message



Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

10 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the fifth 12 samples.



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 E12-E1	19.4 mm	B	A1-L1	131.5 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 µl
	Post-Dispense	0.5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
Pipetting Height	Exit Liquid Slowly	No
	Aspirate	No
	Dispense	No
	Source: Heights Tip Travel Safety Bottom Offset	Source: A1: Fix No A1: 1 mm
	Target: Heights Tip Travel Safety Bottom Offset	Target: B: Fix No B: 2 mm
Tip Change	Tip Change	After each dispense
Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes B: Liquid B: 1 mm B: 130.1 mm

11 Message

**Description:**

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

12 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the sixth 12 samples.



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 F12-F1	19.4 mm	B	A1-L1	131.7 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 µl
	Post-Dispense	0.5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
Pipetting Height	Exit Liquid Slowly	No
	Aspirate	No
	Dispense	No
	Source: Heights	Source: A1: Fix
	Tip Travel	No
Tip Change	Safety Bottom Offset	A1: 1 mm
	Target: Heights	Target: B: Fix
	Tip Travel	No
	Safety Bottom Offset	B: 2 mm
	Tip Change	After each dispense
Tip Touch	Tip Touch	Yes
	Type of Tip Touch	B: Liquid
	Tip Touch Distance	B: 1 mm
	Tip Touch Height	B: 130.1 mm

13 Message



Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

14 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the seventh 12 samples.



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 G12-G1	19.4 mm	B	A1-L1	131.5 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 µl
	Post-Dispense	0.5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
Pipetting Height	Exit Liquid Slowly	No
	Aspirate	No
	Dispense	No
	Source: Heights Tip Travel Safety Bottom Offset	Source: A1: Fix No A1: 1 mm
	Target: Heights Tip Travel Safety Bottom Offset	Target: B: Fix No B: 2 mm
Tip Change	Tip Change	After each dispense
Tip Touch	Tip Touch Type of Tip Touch Tip Touch Distance Tip Touch Height	Yes B: Liquid B: 1 mm B: 130.1 mm

15 Message



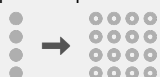
Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

16 Repeat Dispense



Time:
0 min 35 sec
Used Tips:
12

Description:
Transfer the eighth 12 samples.



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	A1 H12-H1	19.4 mm	B	A1-L1	131.7 mm	2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume	Fix
	Pre-Dispense	0.5 µl
	Post-Dispense	0.5 µl
	Post-Dispense Location	Source
	Reuse Post-Dispense	No
Pipetting Speeds	Dispense Type	Single
	Aspiration Speed	8
	Aspiration Delay	0
	Dispense Speed	5
	Dispense Delay	0
	Exit Liquid Slowly	No
	Aspirate	No
Pipetting Height	Source:	Source:
	Heights	A1: Fix
	Tip Travel	No
	Safety Bottom Offset	A1: 1 mm
	Target:	Target:
	Heights	B: Fix
Tip Change	Tip Travel	No
	Safety Bottom Offset	B: 2 mm
	Tip Change	After each dispense
	Tip Touch	Yes
Tip Touch	Type of Tip Touch	B: Liquid
	Tip Touch Distance	B: 1 mm
	Tip Touch Height	B: 130.1 mm

17 Message



Description:

Close the lid, measure the nucleic acid concentration. Then lift the lid and clean the windows and mirrors with a slightly wet lint-free tissue.

Pipetting settings

Tab	Parameter	Set value
Message	Message Line 1 Message Line 2 Message Line 3	Measure concentr -

Run Protocol

Program Name Program Name (on pipette)	Nucleic acid concentration Implen.iaa IMPLEN - DNA
Instrument - Serial Number ASSIST PLUS	
Pipette - Serial Number VOYAGER - 12.5µl - 12CH	
Pipette Tips - Lot Number 12.5 µl GripTip, LONG, Sterile, Filter	
Notes:	
Run Operator:	
Run Date:	
Run Start Time:	
Run End Time:	
Signature:	