

User Credentials

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Date: 27. May. 2026

Overview Method

VOYAGER -
1'250µl -
8CH

01 Initial Volumes 	02 Repeat Dispense  Water dispensing	03 Transfer  Polymer solubilization	04 Mix  Polymer solubilization 1	05 Transfer  Protein solubilization
06 Transfer  Equilibration of beads 1 - equilibr...	07 Magnet  Equilibration of beads 1 - magnet ...	08 Delay  Equilibration of beads 1 - incubation	09 Volume Change  Equilibration of beads 1 - superna...	10 Transfer  Equilibration of beads 1 - superna...
11 Magnet  Equilibration of beads 1 - magnet ...	12 Transfer  Equilibration of beads 2 - equilibr...	13 Magnet  Equilibration of beads 2 - magnet ...	14 Delay  Equilibration of beads 2 - incubation	15 Volume Change  Equilibration of beads 2 - incubation
16 Transfer  Equilibration of beads 2 - superna...	17 Magnet  Equilibration of beads 2 - magnet ...	18 Transfer  Equilibration of beads 3 - equilibr...	19 Magnet  Equilibration of beads 3 - magnet ...	20 Delay  Equilibration of beads 3 - incubation
21 Volume Change  Equilibration of beads 3 - incubation	22 Transfer  Final supernatant removal	23 Magnet  Equilibration of beads 3 - magnet ...	24 Transfer  Target protein binding to magneti...	25 Transfer  Target protein binding to magneti...
26 Magnet  Lysate removal - magnet activation	27 Delay  Lysate removal - incubation	28 Transfer  Lysate removal	29 Volume Change  Wash 1 - incubation	30 Transfer  Final lysate removal
31 Magnet  Lysate removal - magnet deactiva...	32 Transfer  Wash 1 - washing buffer addition	33 Magnet  Wash 1 - magnet activation	34 Delay  Wash 1 - incubation	35 Volume Change  Wash 2 - incubation
36 Transfer  Wash 1 - supernatant removal	37 Magnet  Wash 1 - magnet deactivation an...	38 Transfer  Wash 2 - washing buffer addition	39 Magnet  Wash 2 - magnet activation	40 Delay  Wash 2 - incubation

41 Volume Change 	42 Transfer  Wash 2 - supernatant removal	43 Magnet  Wash 2 - magnet deactivation an...	44 Transfer  Wash 3 - washing buffer addition	45 Magnet  Wash 3 - magnet activation
46 Delay  Wash 3 - incubation	47 Volume Change 	48 Transfer  Wash 3 - supernatant removal	49 Magnet  Wash 3 - magnet deactivation an...	50 Transfer  Wash 4 - washing buffer addition
51 Magnet  Wash 4 - magnet activation	52 Delay  Wash 4 - incubation	53 Transfer  Wash 4 - supernatant removal	54 Magnet  Wash 4 - magnet deactivation an...	55 Mix  Wash 4 - mixing
56 Magnet  Wash 4 - magnet activation	57 Delay  Wash 4 - incubation	58 Volume Change 	59 Transfer  Wash 4 - supernatant removal	60 Magnet  Wash 4 - magnet deactivation an...
61 Volume Change 	62 Transfer  Elution1 - elution buffer addition	63 Magnet  Elution 1 - magnet activation at 2...	64 Delay  Elution 1 - incubation	65 Mix  Elution 1 - mixing
66 Magnet  Elution 1 - magnet activation at 2...	67 Delay  Elution 1 - incubation	68 Transfer  Elution1 - eluate transfer	69 Magnet  Elution1 - magnet deactivation	70 Transfer  Elution 2 - elution buffer addition
71 Magnet  Elution 2 - magnet activation at 2...	72 Delay  Elution 2 - incubation	73 Mix  Elution 2 - mixing	74 Magnet  Elution 2 - magnet activation at 2...	75 Delay  Elution 2 - incubation
76 Transfer  Elution 2 - eluate transfer	77 Magnet  Elution pooled - magnet activatio...	78 Mix  Elution pooled - mixing	79 Volume Change 	80 Delay  Elution pooled - incubation
81 Transfer  Elution pooled - eluate transfer	82 Magnet  Elution pooled - magnet deactivat...	83 Message  Run finished		

Total Time: 125 min 26 sec

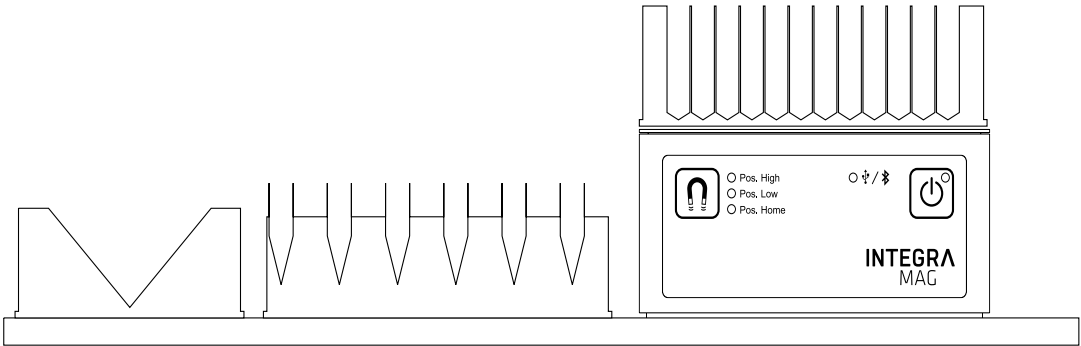
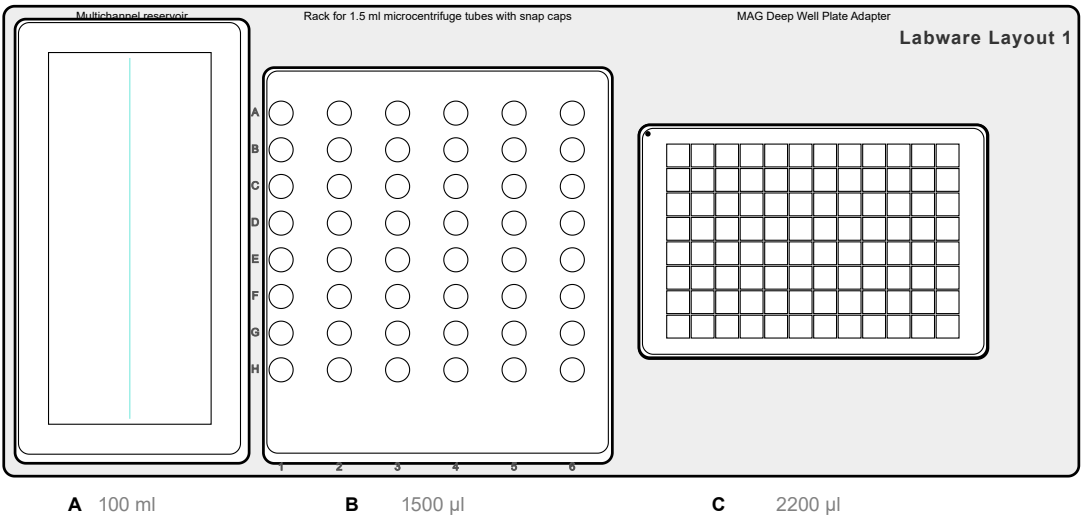
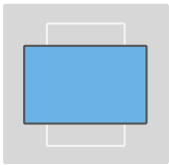
Total Tip Consumption: 96

Description: This program was developed based on Cube Biotech's membrane protein isolation protocol using PlateX MP and optimized for the ASSIST PLUS pipetting robot.

Pipette & Deck

Labware	Name	Manufacturer	Part Number
Pipette	VOYAGER - 1'250µl - 8CH	INTEGRA	4724
Tip	1250 µl GRIPTIPS, Sterile, Filter	INTEGRA	6445
Deck	3 Position Universal Deck	INTEGRA	4520

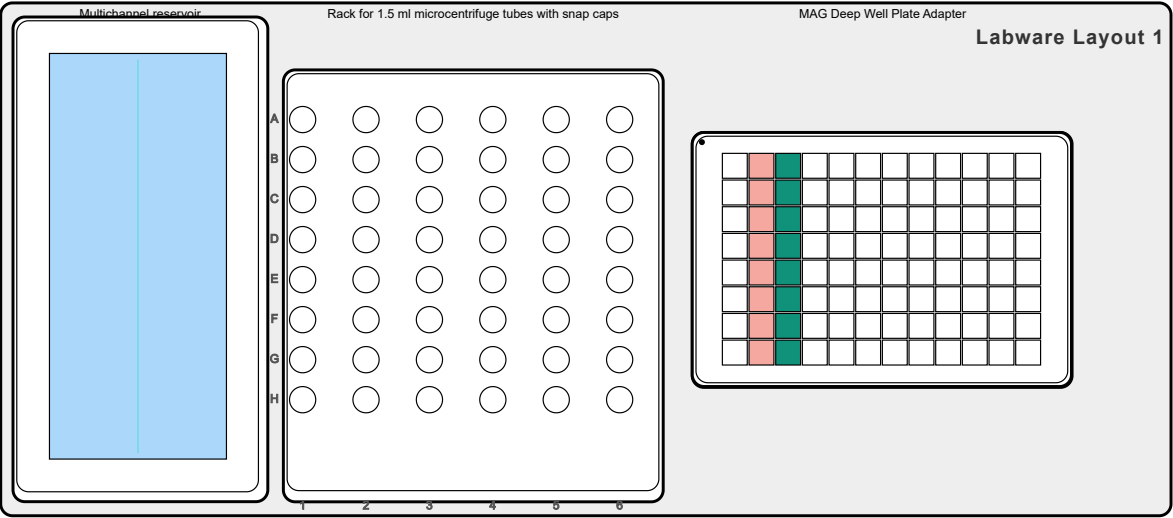
Deck Layout



Deck Labware

Deck Position	Labware	Name	Manufacturer	Part Number	Description
A	Reservoir	Multichannel Reservoir	INTEGRA	4320, 4321, 4322, 4325, 4326, 4327, 4390, 4391, 4392	Polystyrene or Polypropylene
B	Tube Rack	Rack for 1.5 ml microcentrifuge tubes with snap caps	INTEGRA	4540	6x8 1.5 ml microcentrifuge tubes
C	COMBI System	MAG Deep Well Plate Adapter	INTEGRA	4900	MAG module + adapter for INTEGRA deepwell plates (PN 4907) Reference plate: 96 Deepwell V-Bottom plate (6353)
C1	Plate	96 Deepwell V-Bottom Plate	INTEGRA	6353	

01 Initial Volumes



02 Repeat Dispense



Total Time:

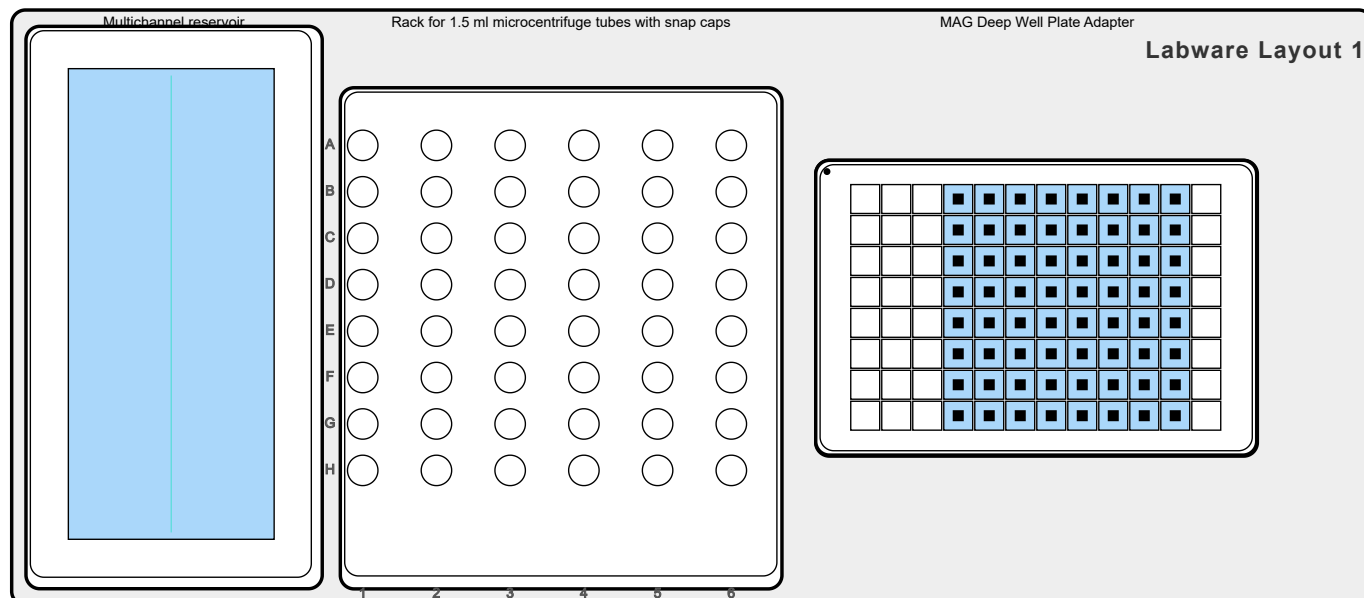
1 min 38 sec

Total Tip Consumption:

Tip 1250µl: 8

Description:

Water dispensing



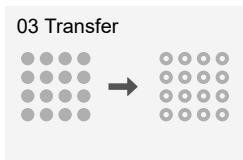
Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	A	-	24 mm	C	A4-H4	110.3 mm	950
2	A	-	22.7 mm	C	A5-H5	110.3 mm	950
3	A	-	21.3 mm	C	A6-H6	110.3 mm	950
4	A	-	20 mm	C	A7-H7	110.3 mm	950
5	A	-	18.7 mm	C	A8-H8	110.3 mm	950
6	A	-	17.6 mm	C	A9-H9	110.3 mm	950
7	A	-	15.9 mm	C	A10-H10	110.3 mm	950
8	A	-	14.1 mm	C	A11-H11	110.3 mm	250

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Variable
	Post-Dispense Location:	Source
	Reuse Post-Dispense:	No
	Dispense Type:	Single

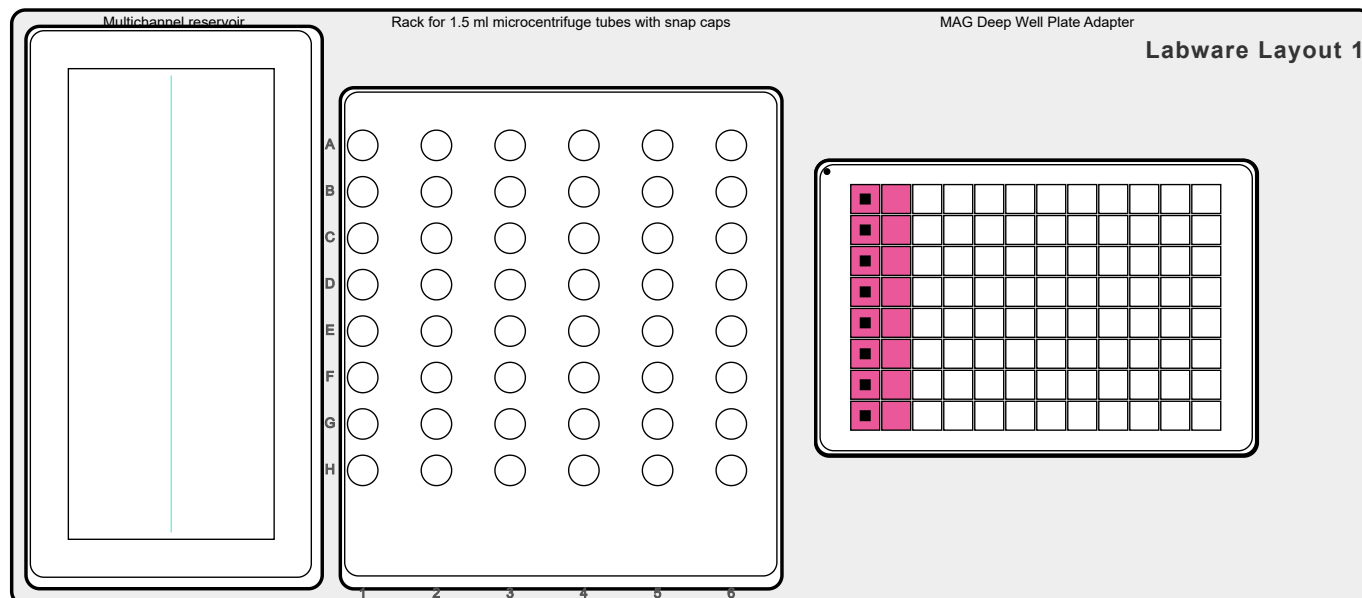
Pipetting Speeds	Aspiration Speed: Aspiration Delay [s]: Dispense Speed: Dispense Delay [s]: Slow Liquid Exit Aspiration: Slow Liquid Exit Dispensation:	8 0 8 0 No No
Source Pipetting Height	Heights: Tip Travel: Safety Bottom Offset:	A: Variable Yes A: 1 mm
Target Pipetting Height	Heights: Tip Travel: Safety Bottom Offset:	C1: Fix No C1: 1.9 mm
Tip Change	Tip Change:	Continue to next step without change
Tip Touch	Tip Touch:	No



Total Time:
2 min 20 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:
Polymer solubilization



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A2-H2	102.3 mm	C	A1-H1	86.7 mm	900

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	3
	Aspiration Delay [s]:	0
	Dispense Speed:	10
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 13 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A2-H2	102.3 mm	850

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	90 mm	300

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	100
	Mix Speed:	10
	Tip Travel:	No

04 Mix

**Total Time:**

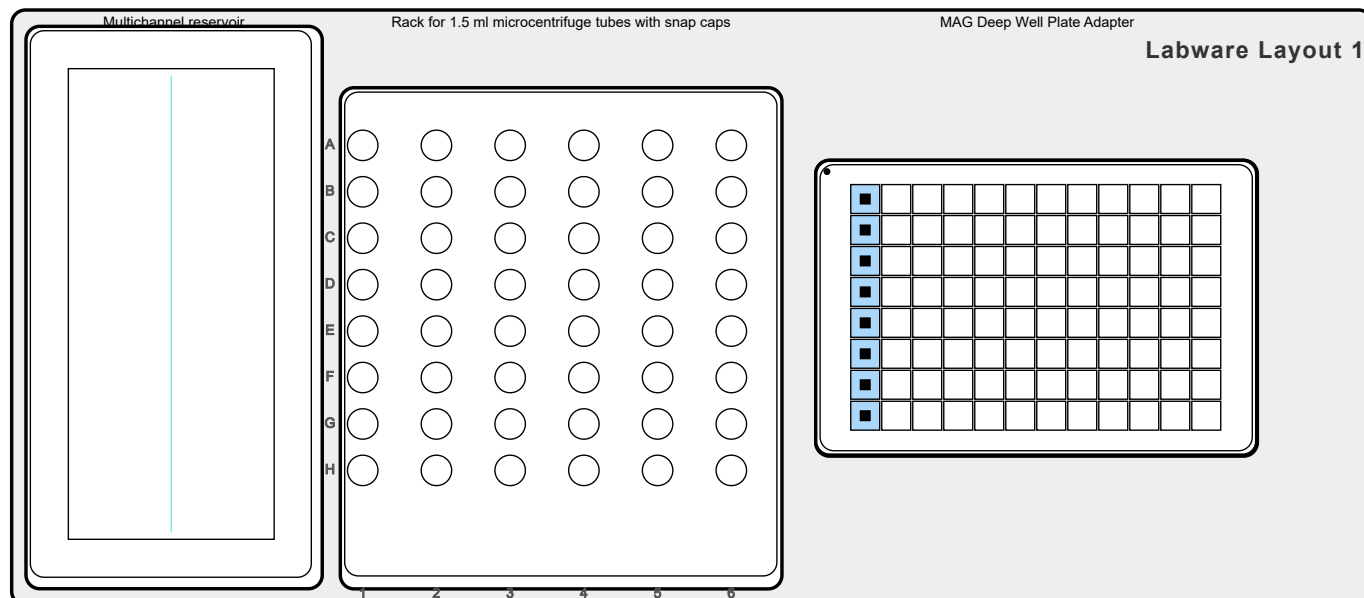
4 min 18 sec

Total Tip Consumption:

Tip 1250µl: 0

Description:

Polymer solubilization 1

**Pipetting settings**

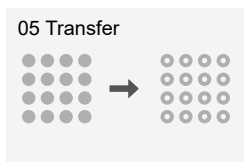
Tab	Parameter	Set value
Tip Change	Tip Change:	After step complete
Tip Touch	Tip Touch:	No

Mix Summary**Mix Target**

Step	Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	
1	C	A1-H1	85.5 mm	600

Mix Settings

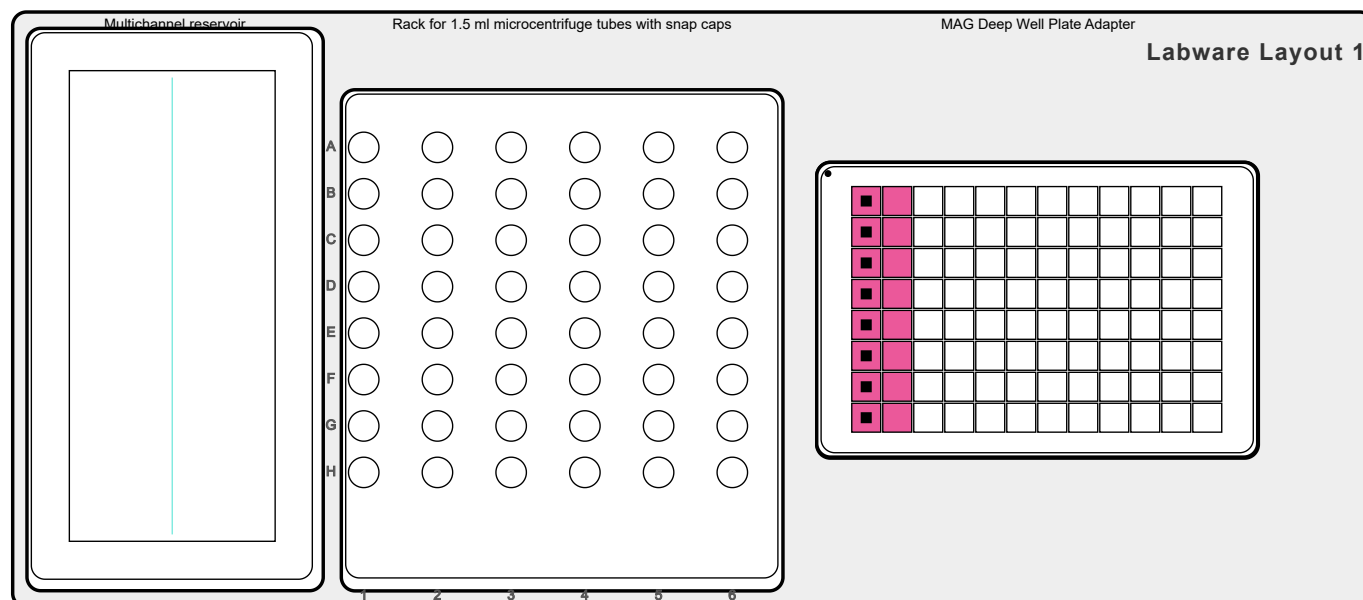
Tab	Parameter	Set value
Source Mix	Mixing:	No
Target Mix	Mixing:	Yes
	Mix Cycles:	150
	Mix Speed:	10
	Tip Travel:	Yes



Total Time:
9 min 16 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:
Protein solubilization



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A2-H2	80 mm	C	A1-H1	93.8 mm	900

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	3
	Aspiration Delay [s]:	0
	Dispense Speed:	10
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch:	No
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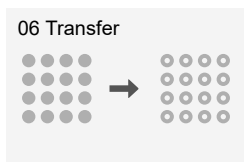
Mix Summary

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	102.3 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	No
Target Mix	Mixing:	Yes
	Mix Cycles:	250
	Mix Speed:	10
	Tip Travel:	Yes

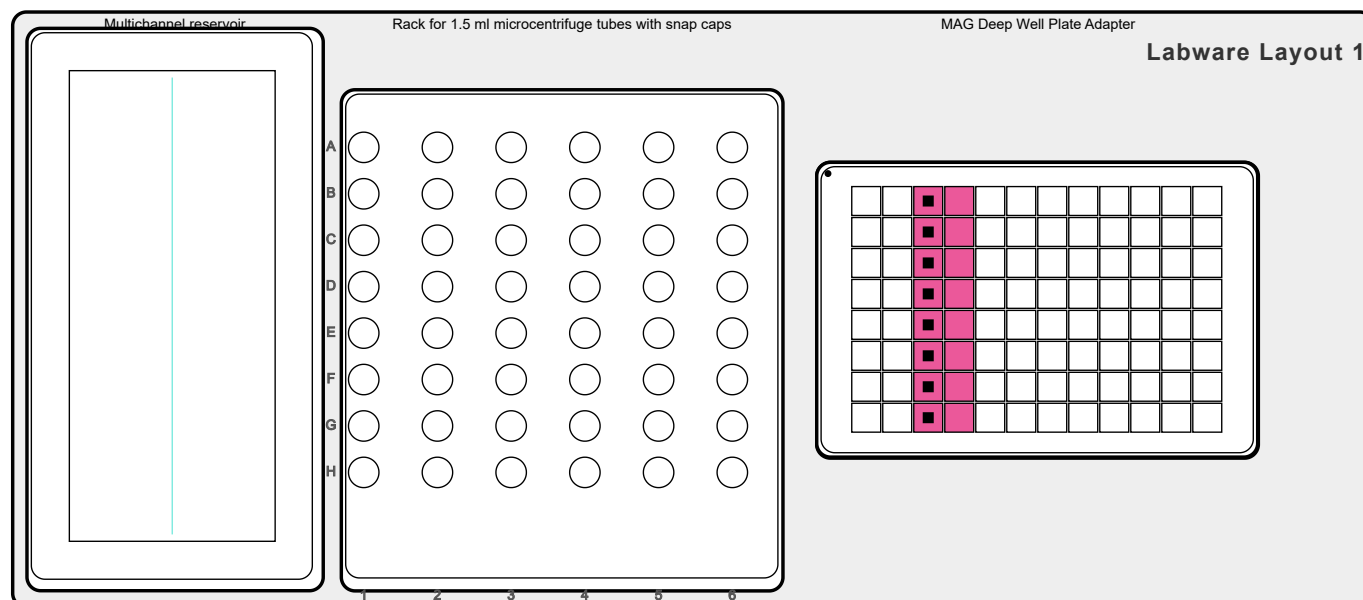


Total Time:
9 min 25 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Equilibration of beads 1 - equilibration buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A4-H4	90 mm	C	A3-H3	80 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	10
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A4-H4	90 mm	850

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	76.5 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	250
	Mix Speed:	10
	Tip Travel:	No

**Description:**

Equilibration of beads 1 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

08 Delay



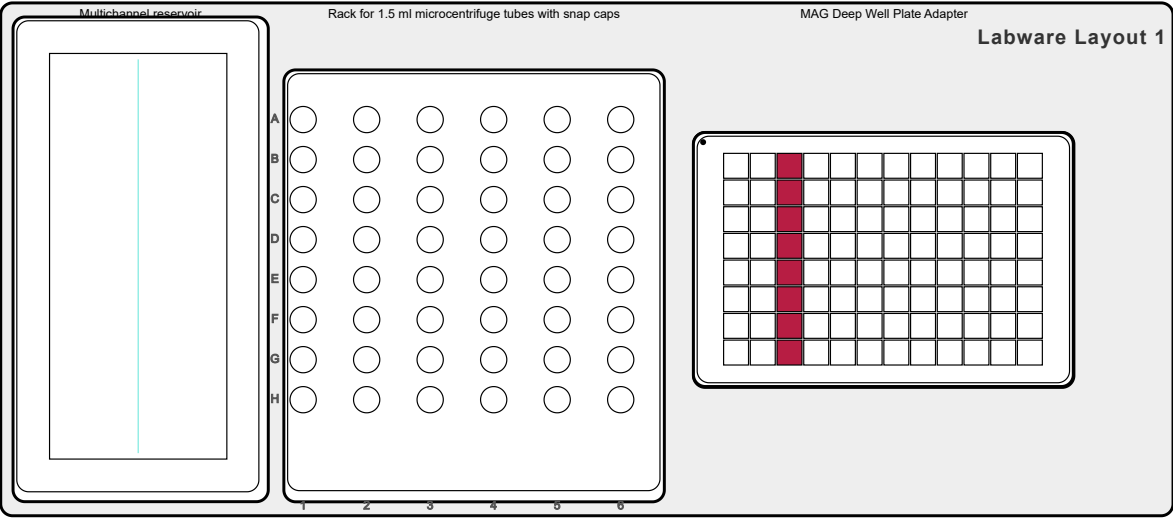
Description:

Equilibration of beads 1 - incubation

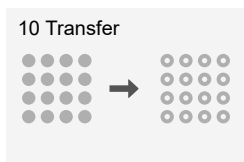
Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes

09 Volume Change



1130.00 µl

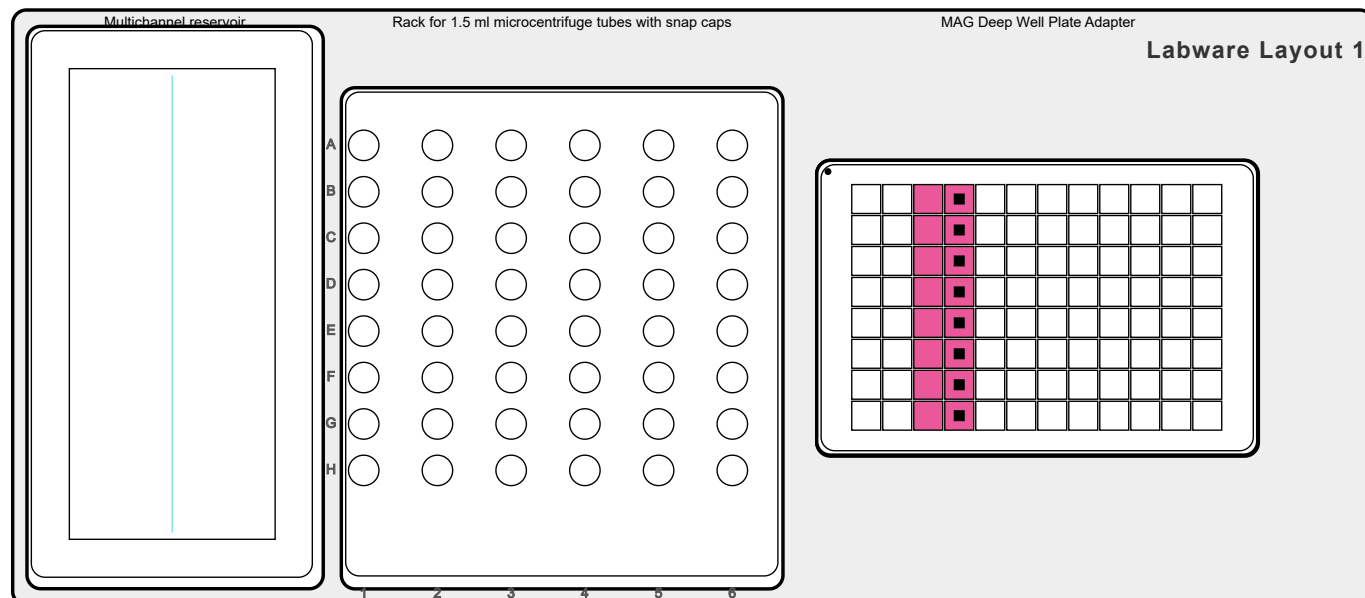


Total Time:
4 min 34 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Equilibration of beads 1 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	82 mm	C	A4-H4	100 mm	1100

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	75 mm	850

Mix Settings

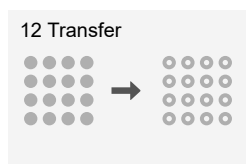
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 6 1 No
Target Mix	Mixing:	No

**Description:**

Equilibration of beads 1 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

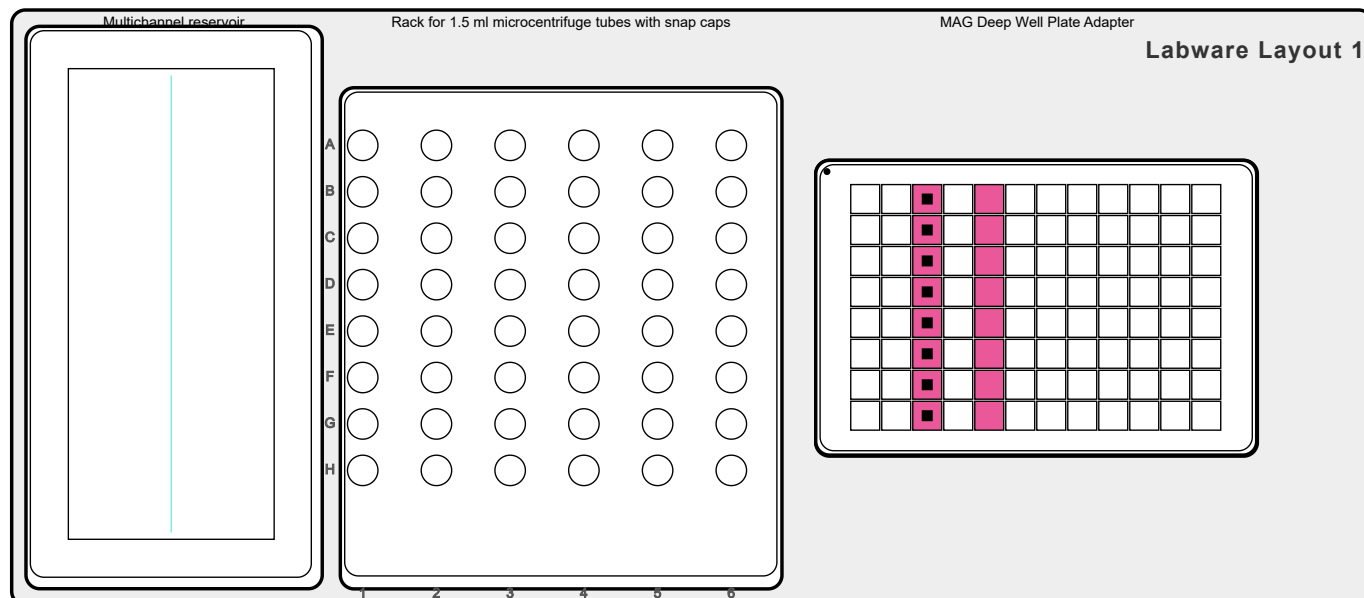


Total Time:
4 min 0 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Equilibration of beads 2 - equilibration buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A5-H5	90 mm	C	A3-H3	75 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A5-H5	90 mm	850

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	75 mm	850

Mix Settings

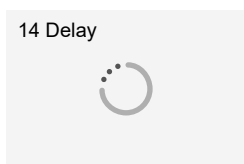
Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	95
	Mix Speed:	10
	Tip Travel:	No

**Description:**

Equilibration of beads 2 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

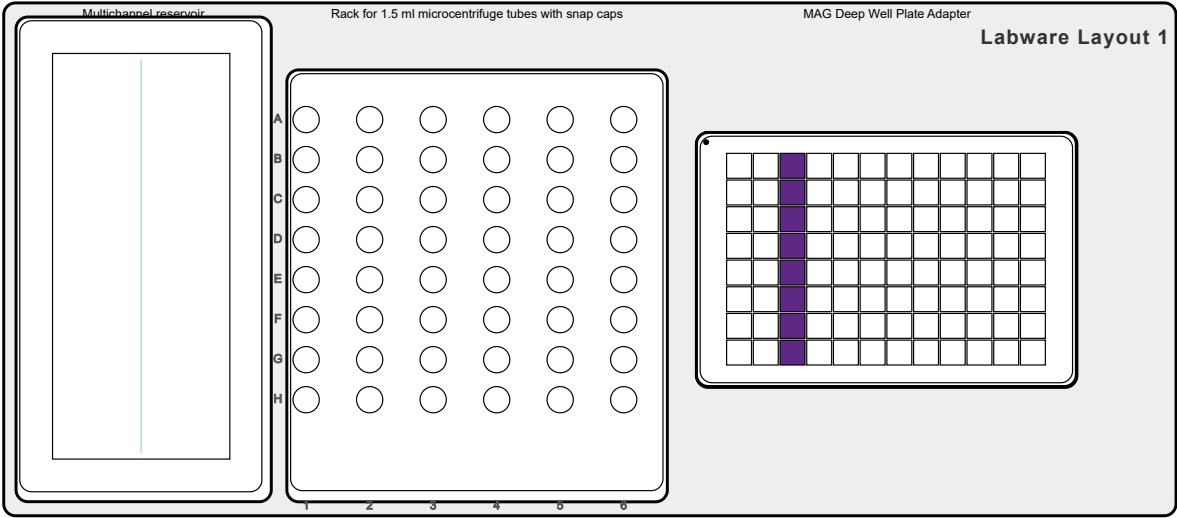
**Description:**

Equilibration of beads 2 - incubation

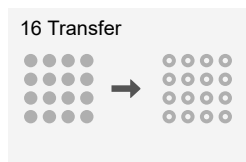
Settings

Tab	Parameter	Set value
Delay	Mode: Delay Time [s]: Skip Delay by RUN:	Delay 120 Yes

15 Volume Change



1130.00 µl

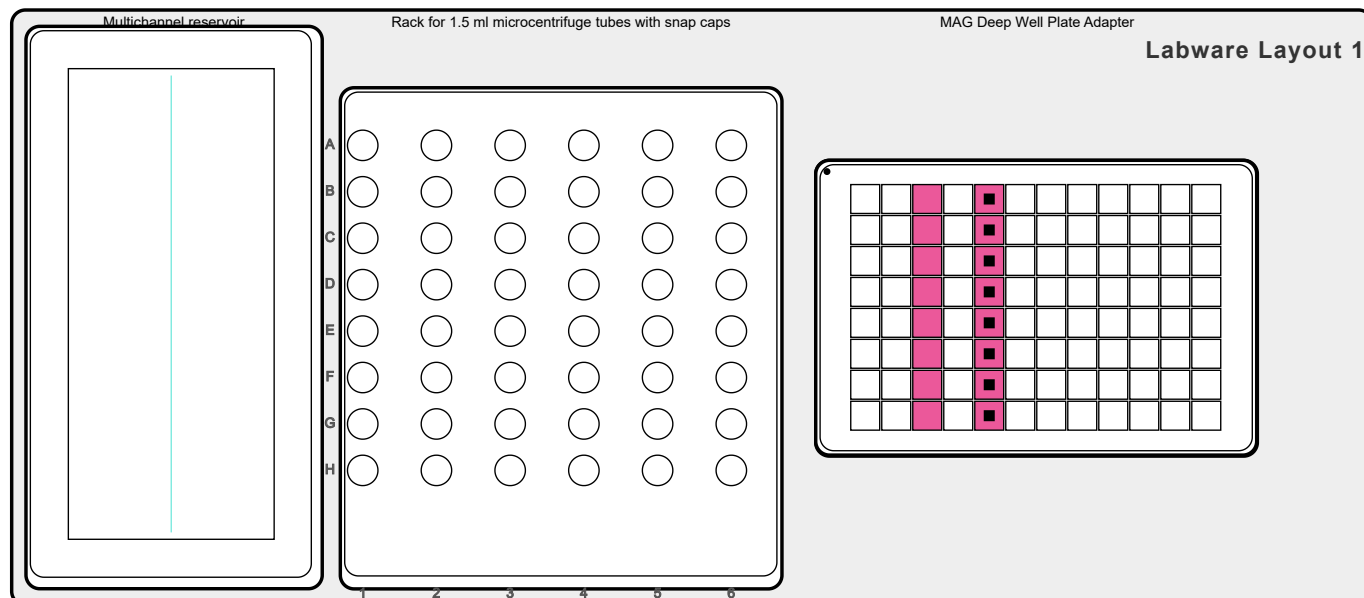


Total Time:
4 min 34 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Equilibration of beads 2 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	82 mm	C	A5-H5	100 mm	1100

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

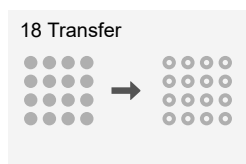
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 6 1 No
Target Mix	Mixing:	No

**Description:**

Equilibration of beads 2 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

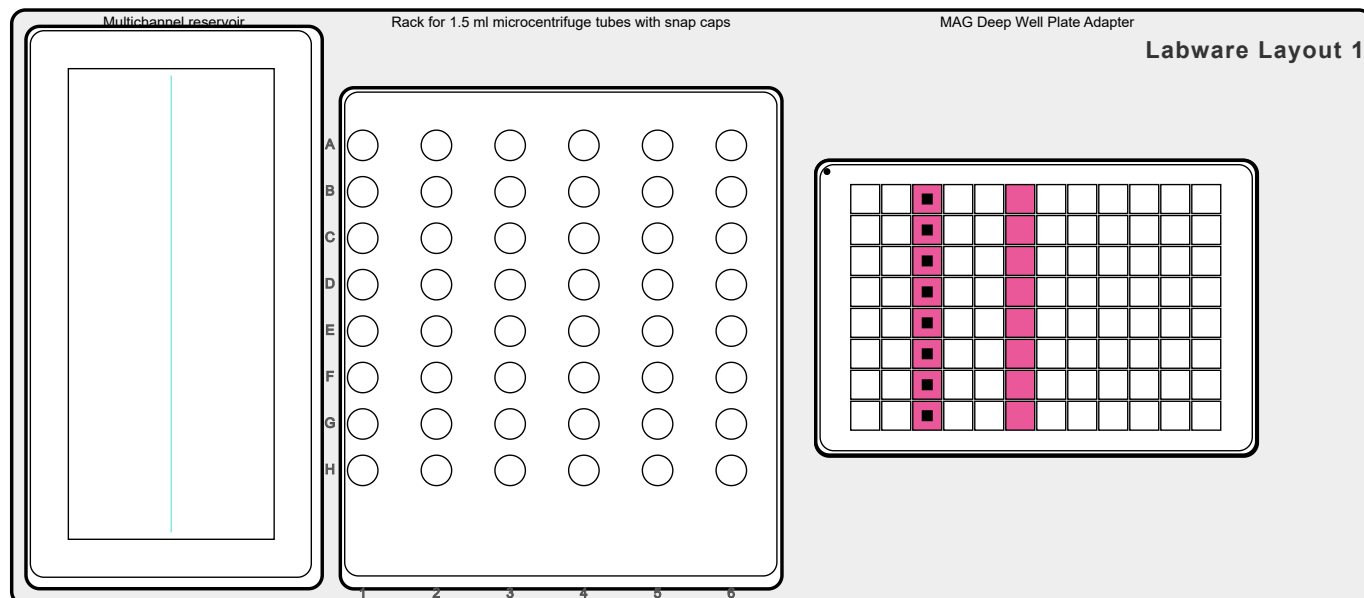


Total Time:
4 min 0 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Equilibration of beads 3 - equilibration buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A6-H6	90 mm	C	A3-H3	75 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A6-H6	90 mm	850

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	95
	Mix Speed:	10
	Tip Travel:	No



Description:

Equilibration of beads 3 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

20 Delay



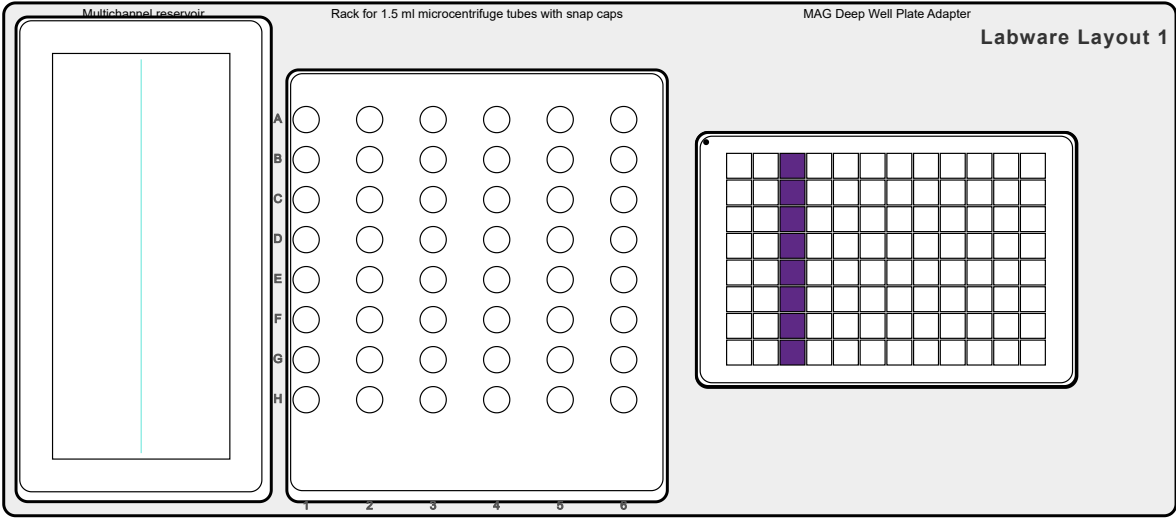
Description:

Equilibration of beads 3 - incubation

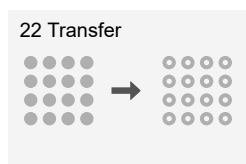
Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes

21 Volume Change



1130.00 µl

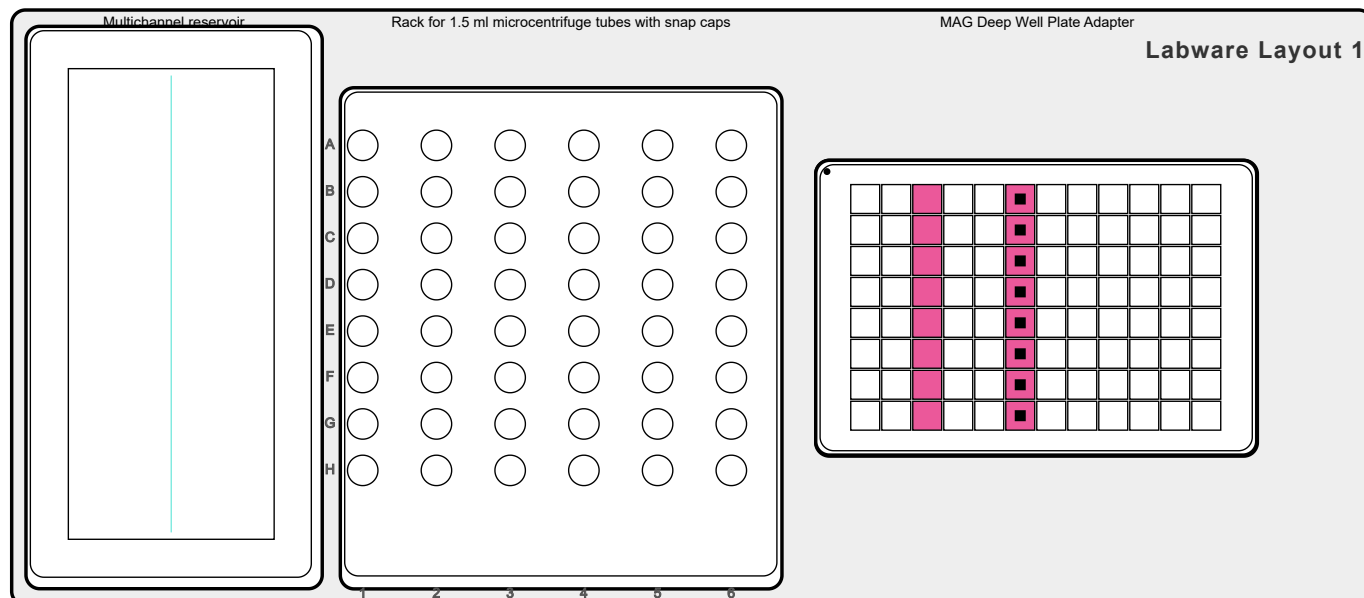


Total Time:
4 min 34 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Final supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	82 mm	C	A6-H6	100 mm	1100

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

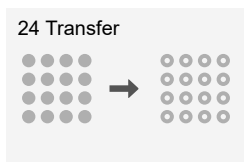
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 6 1 No
Target Mix	Mixing:	No

**Description:**

Equilibration of beads 3 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

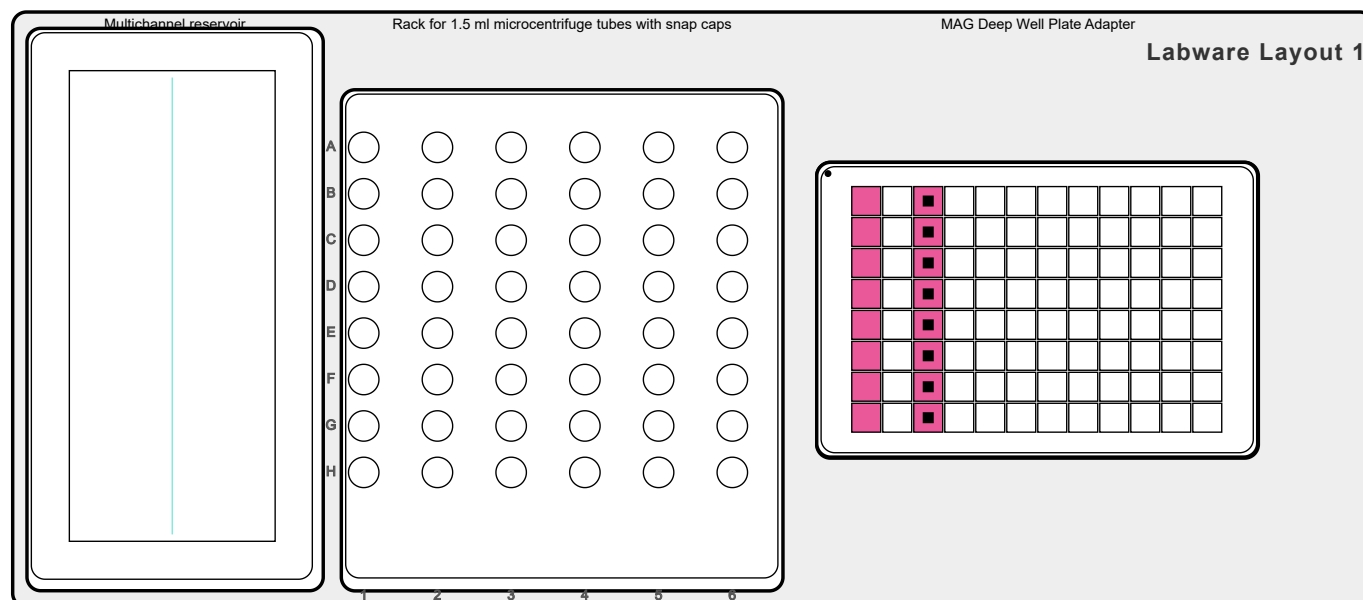


Total Time:
0 min 29 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Target protein binding to magnetic beads 1



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A1-H1	102 mm	C	A3-H3	75 mm	900

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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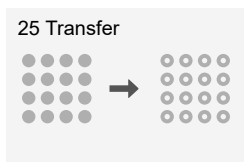
Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A1-H1	102.3 mm	900

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	8
	Tip Travel:	Yes
Target Mix	Mixing:	No

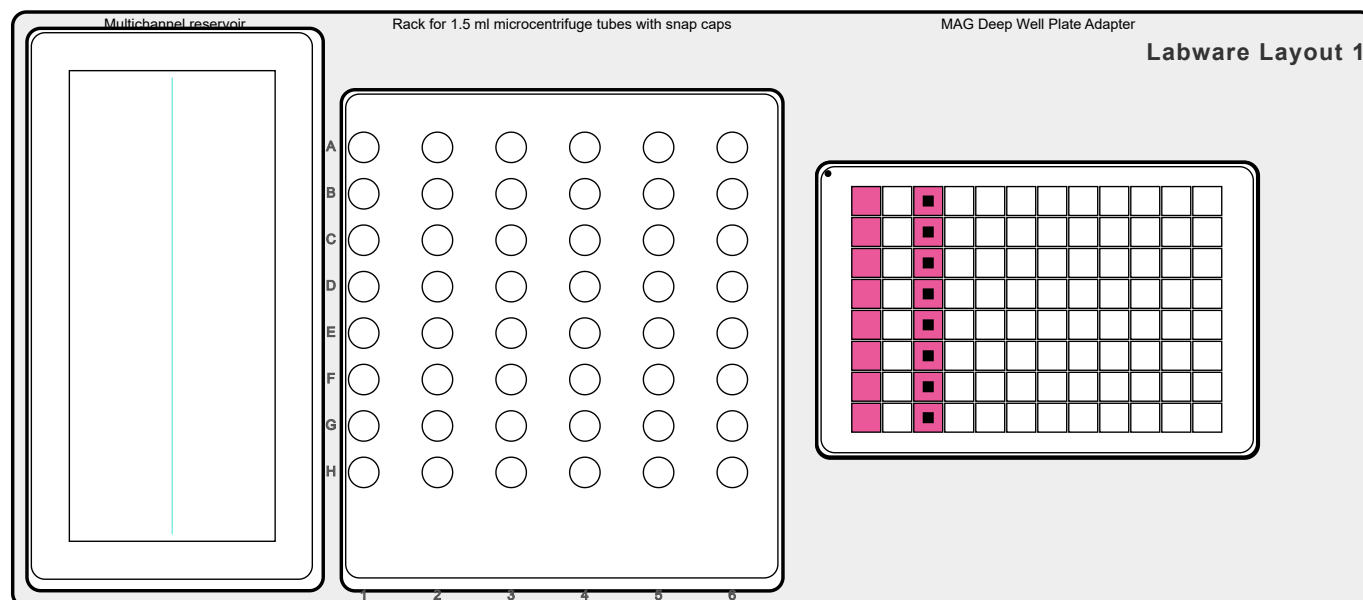


Total Time:
5 min 29 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Target protein binding to magnetic beads 2



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A1-H1	90 mm	C	A3-H3	74.5 mm	900

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.8 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
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Mix Summary

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	95 mm	1000

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	No
Target Mix	Mixing:	Yes
	Mix Cycles:	110
	Mix Speed:	8
	Tip Travel:	Yes

**Description:**

Lysate removal - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

27 Delay

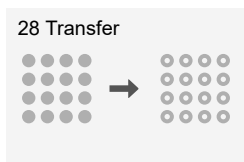


Description:

Lysate removal - incubation

Settings

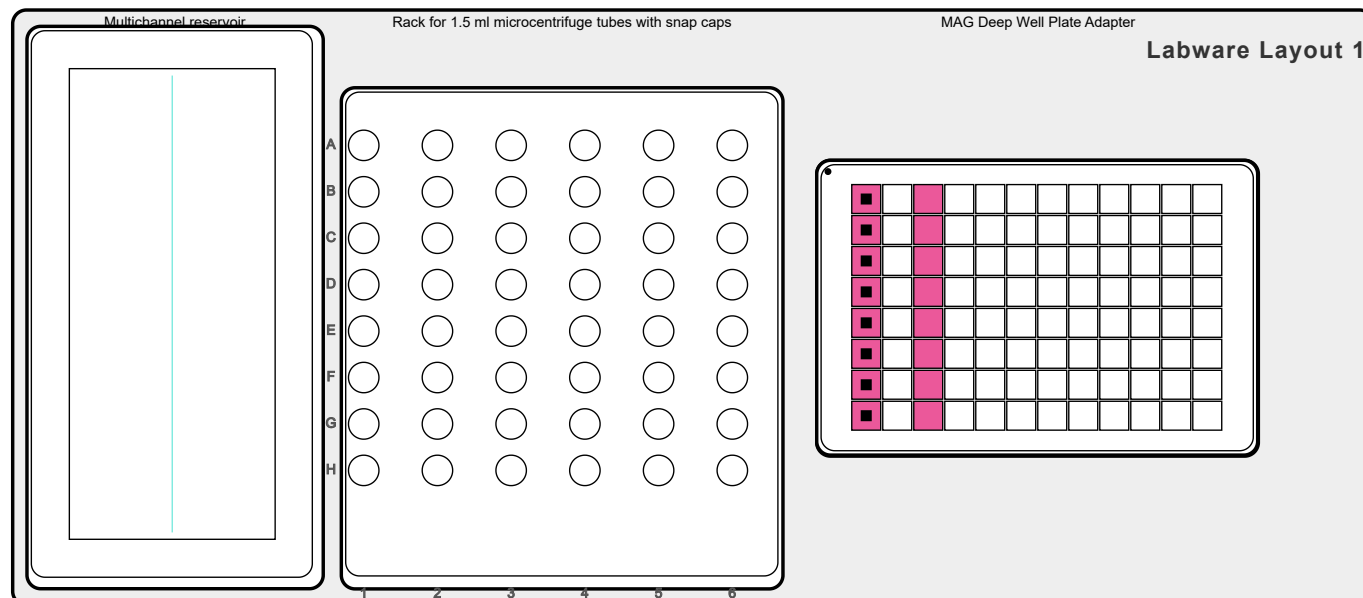
Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes



Total Time:
4 min 21 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:
Lysate removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	102 mm	C	A1-H1	112 mm	900

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

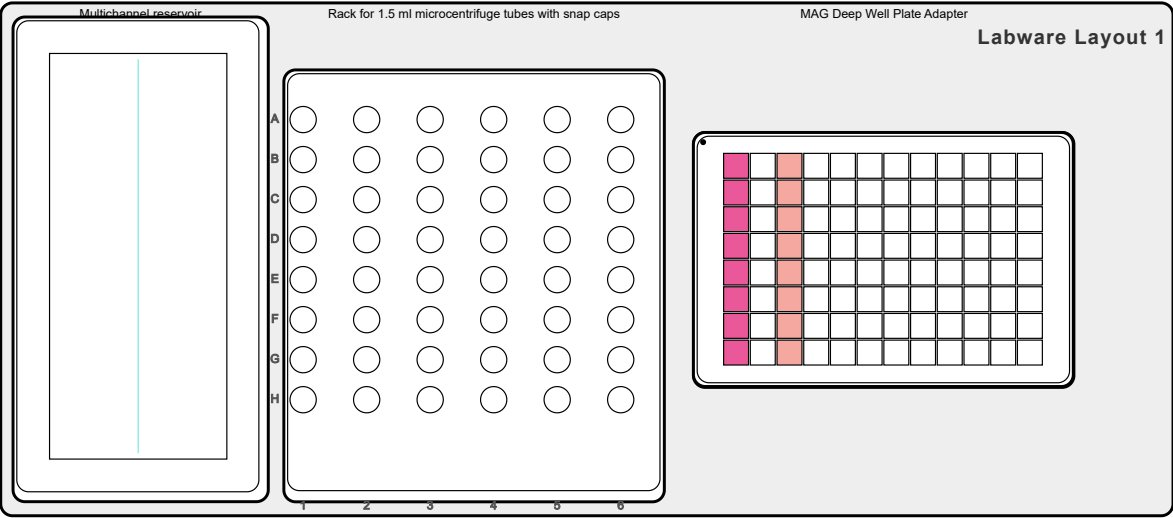
Mix Source

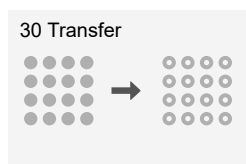
Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	101 mm	850

Mix Settings

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

29 Volume Change





Total Time:

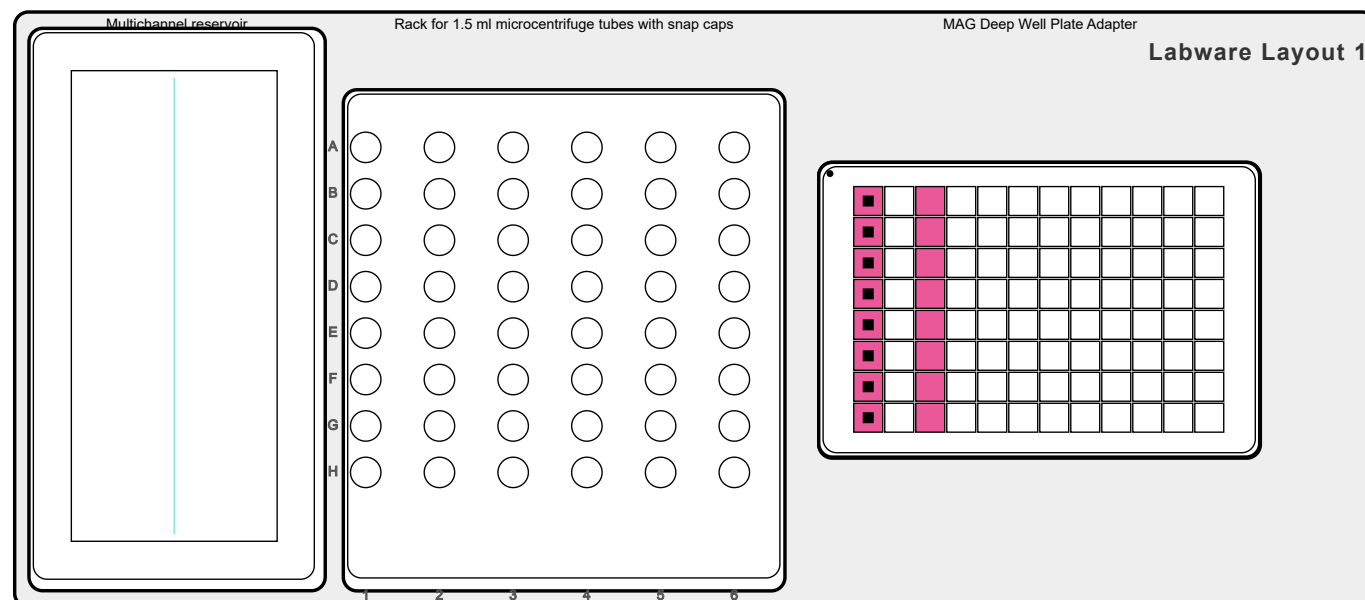
4 min 51 sec

Total Tip Consumption:

Tip 1250µl: 0

Description:

Final lysate removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	76 mm	C	A1-H1	112 mm	550 x 2

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	76 mm	850

Mix Settings

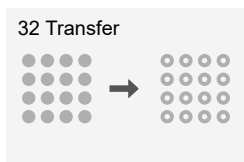
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 6 1 No
Target Mix	Mixing:	No

**Description:**

Lysate removal - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

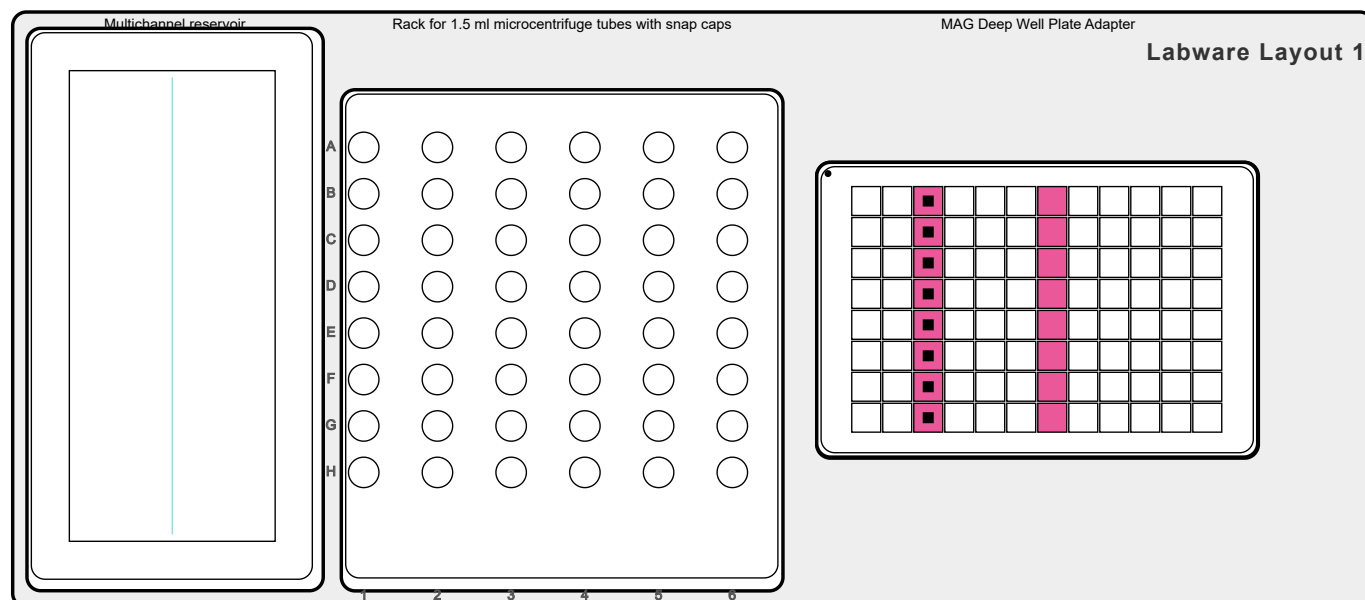


Total Time:
2 min 4 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Wash 1 - washing buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A7-H7	90 mm	C	A3-H3	74.5 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A7-H7	90.5 mm	900

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	75 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	15
	Mix Speed:	5
	Tip Travel:	No

33 Magnet



Description:

Wash 1 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

34 Delay



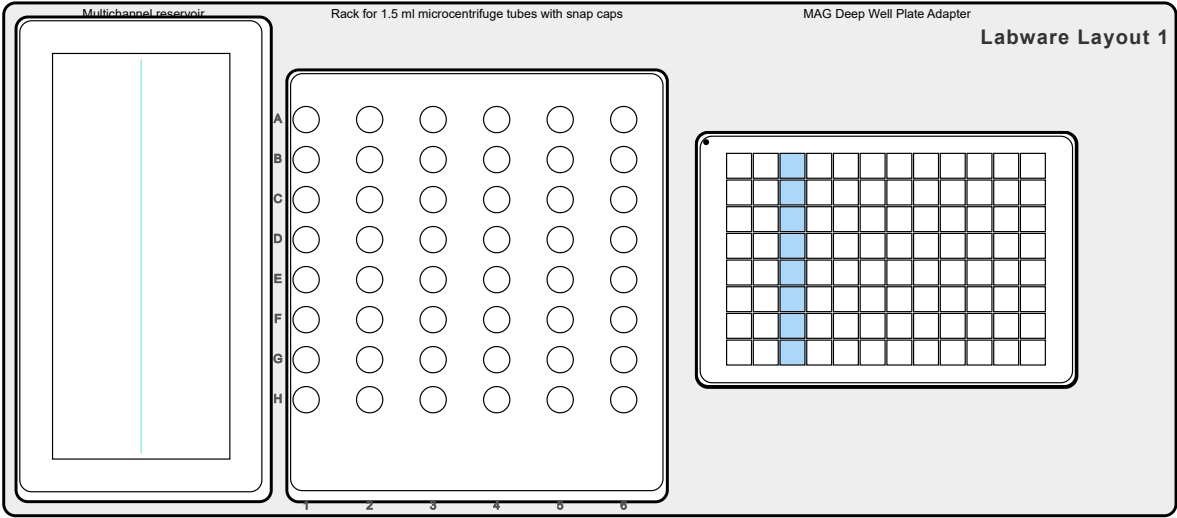
Description:

Wash 1- incubation

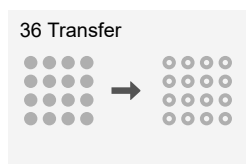
Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes

35 Volume Change



1130.00 µl

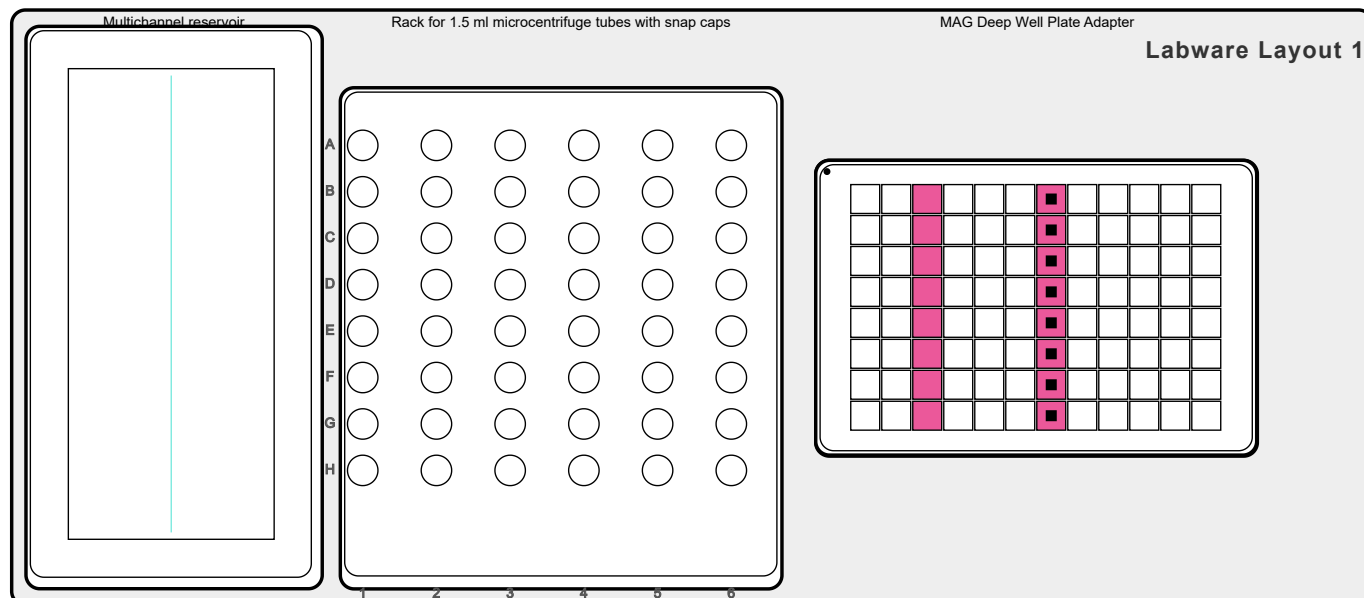


Total Time:
2 min 44 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 1 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	80 mm	C	A7-H7	100 mm	1100

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

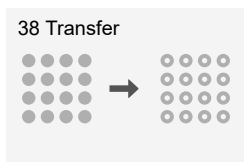
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 3 1 No
Target Mix	Mixing:	No

**Description:**

Wash 1 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

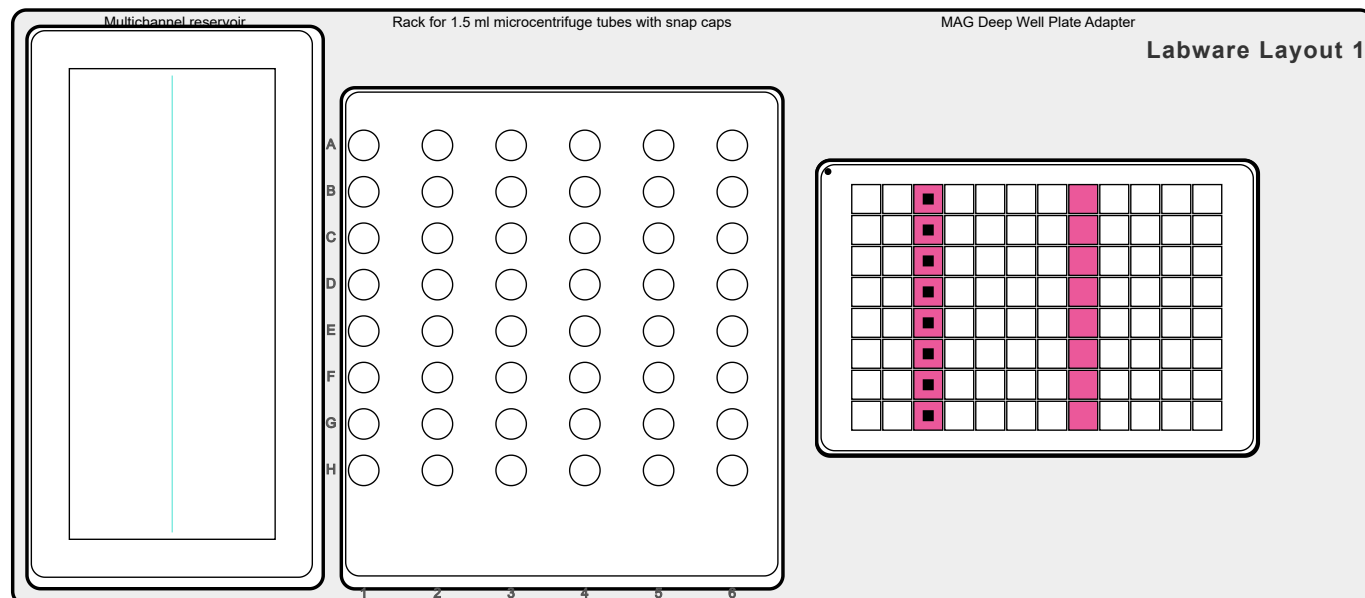


Total Time:
2 min 4 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Wash 2- washing buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A8-H8	90 mm	C	A3-H3	75 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A8-H8	90.5 mm	900

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	15
	Mix Speed:	5
	Tip Travel:	No

**Description:**

Wash 2 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

40 Delay



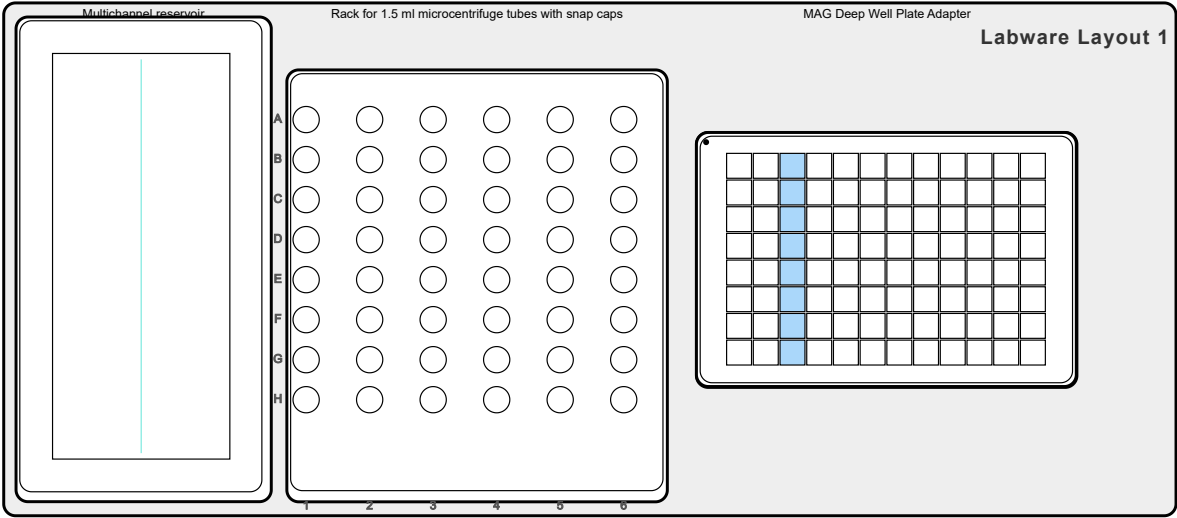
Description:

Wash 2 - incubation

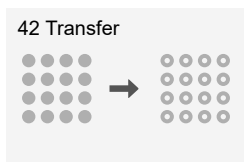
Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes

41 Volume Change



1130.00 µl

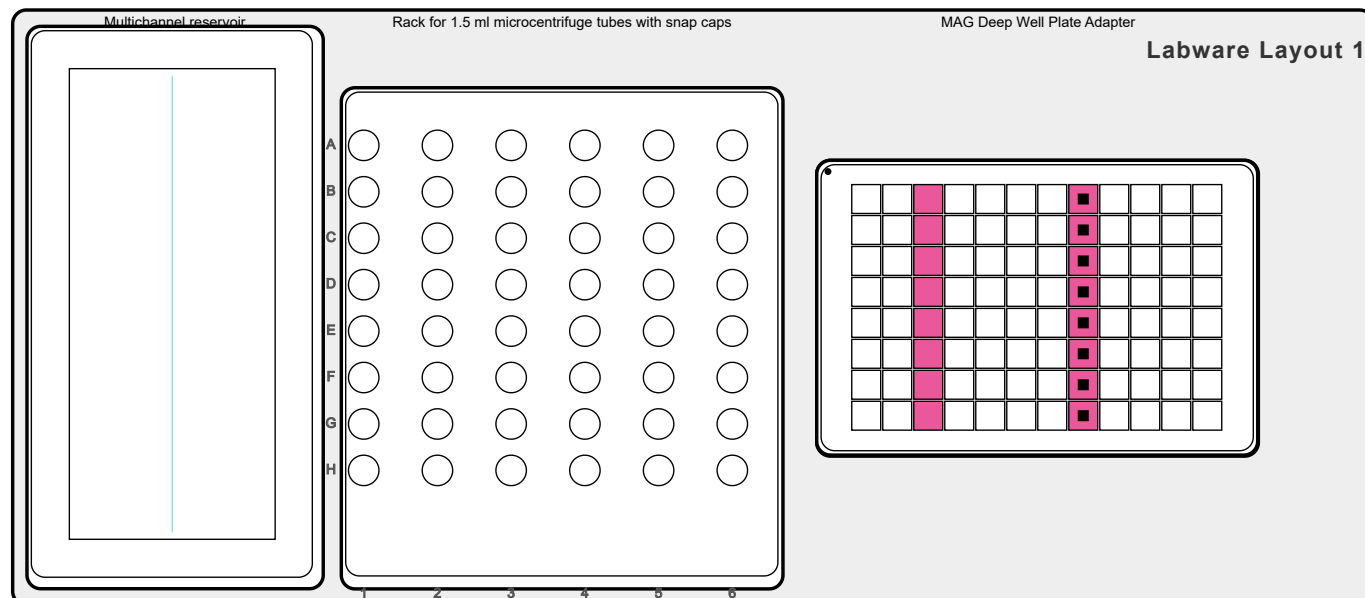


Total Time:
2 min 37 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 2 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	80 mm	C	A8-H8	100 mm	1100

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

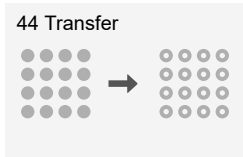
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 3 1 No
Target Mix	Mixing:	No

**Description:**

Wash 2 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

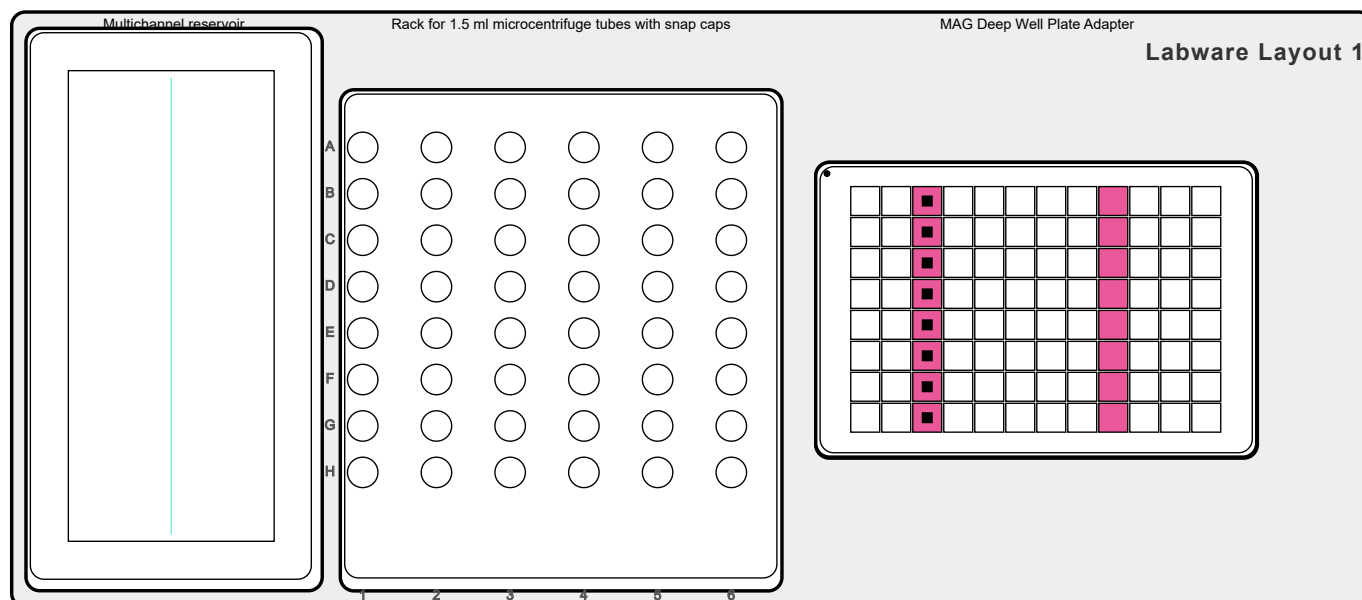


Total Time:
1 min 54 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 3 - washing buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A9-H9	90.5 mm	C	A3-H3	74.5 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A9-H9	90.5 mm	900

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	15
	Mix Speed:	5
	Tip Travel:	No

45 Magnet



Description:

Wash 3 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	29
	Deck Position:	C

46 Delay



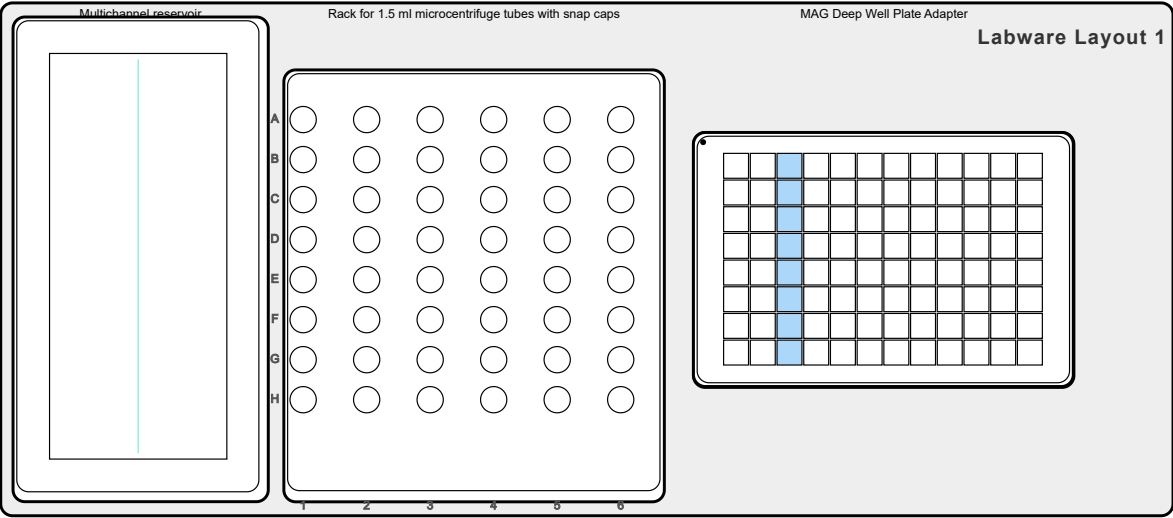
Description:

Wash 3 - incubation

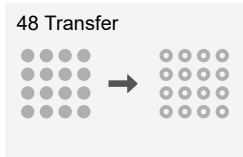
Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes

47 Volume Change



1130.00 µl

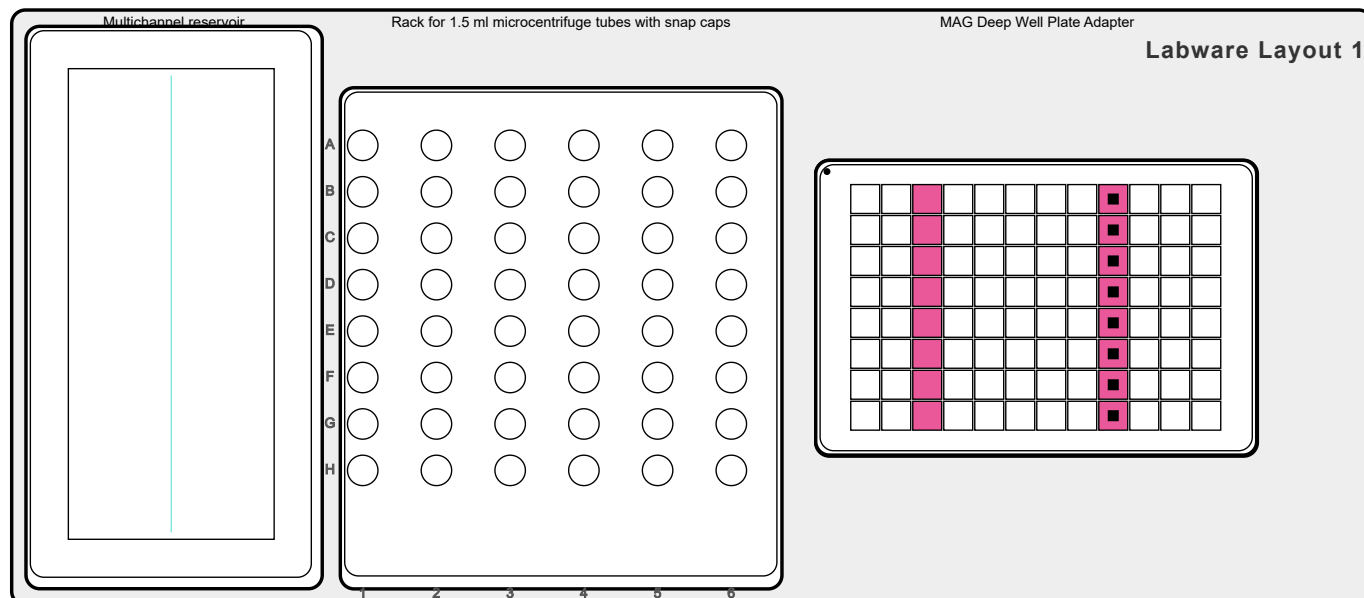


Total Time:
2 min 37 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 3 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	80 mm	C	A9-H9	100 mm	1100

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.4 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

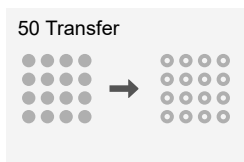
Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 3 1 No
Target Mix	Mixing:	No

**Description:**

Wash 3 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

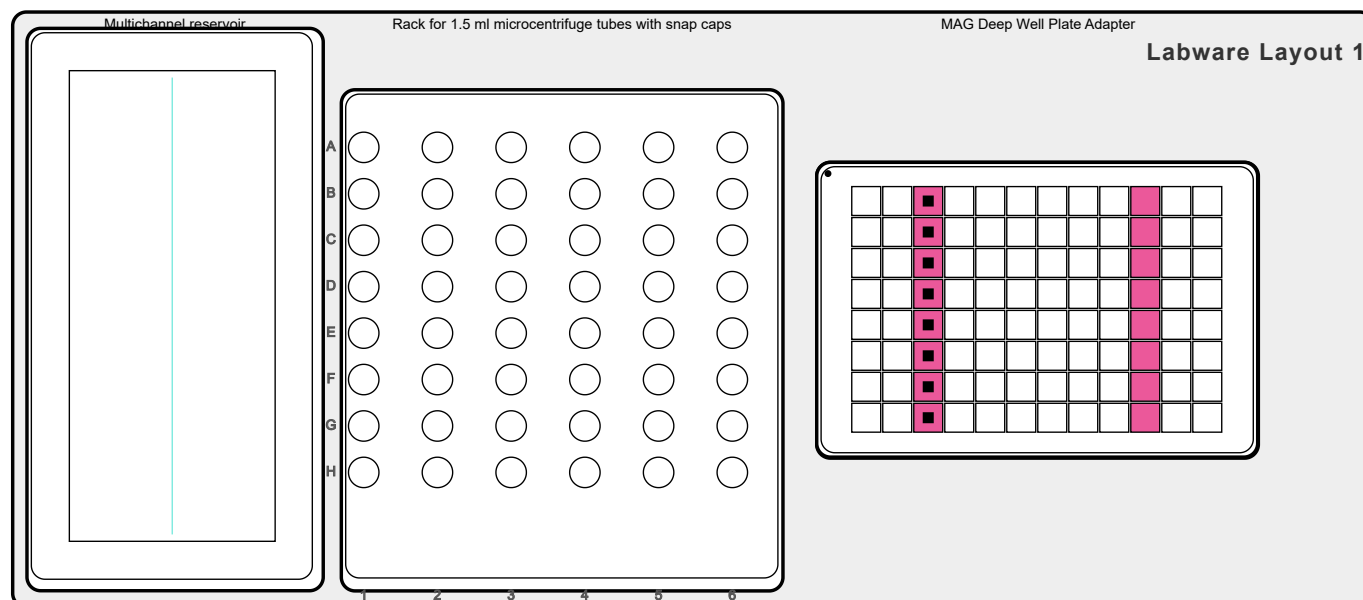


Total Time:
1 min 54 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 4 - washing buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A10-H10	90.5 mm	C	A3-H3	74.5 mm	950

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A10-H10	90.5 mm	900

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	15
	Mix Speed:	5
	Tip Travel:	No

51 Magnet

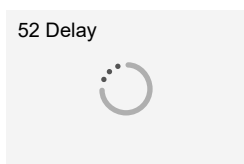


Description:

Wash 4 - magnet activation

Settings

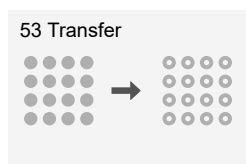
Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	25
	Deck Position:	C

**Description:**

Wash 4 - incubation

Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	Yes

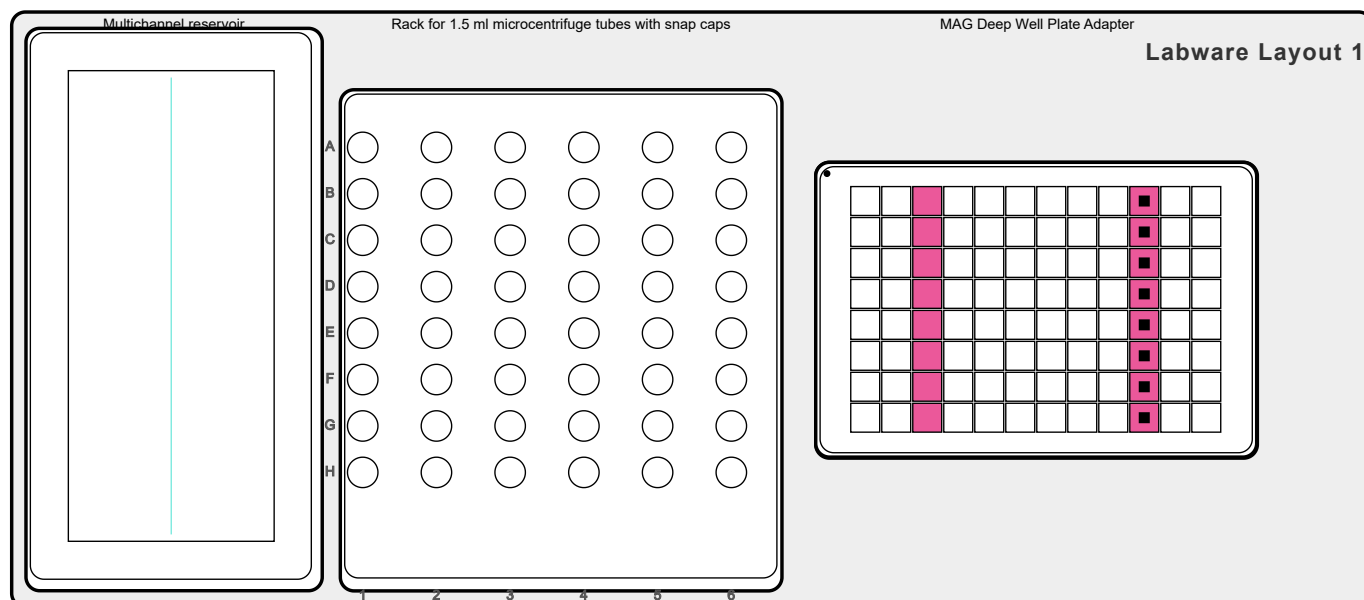


Total Time:
2 min 28 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 4 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	82 mm	C	A10-H10	100 mm	700

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes C1: Side C1: 3.7 mm C1: 100 mm
Source Extras	Offset X: Offset Y:	C1: -1.8 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	850

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 3 1 No
Target Mix	Mixing:	No

**Description:**

Wash 4 - magnet deactivation and pellet release

Settings

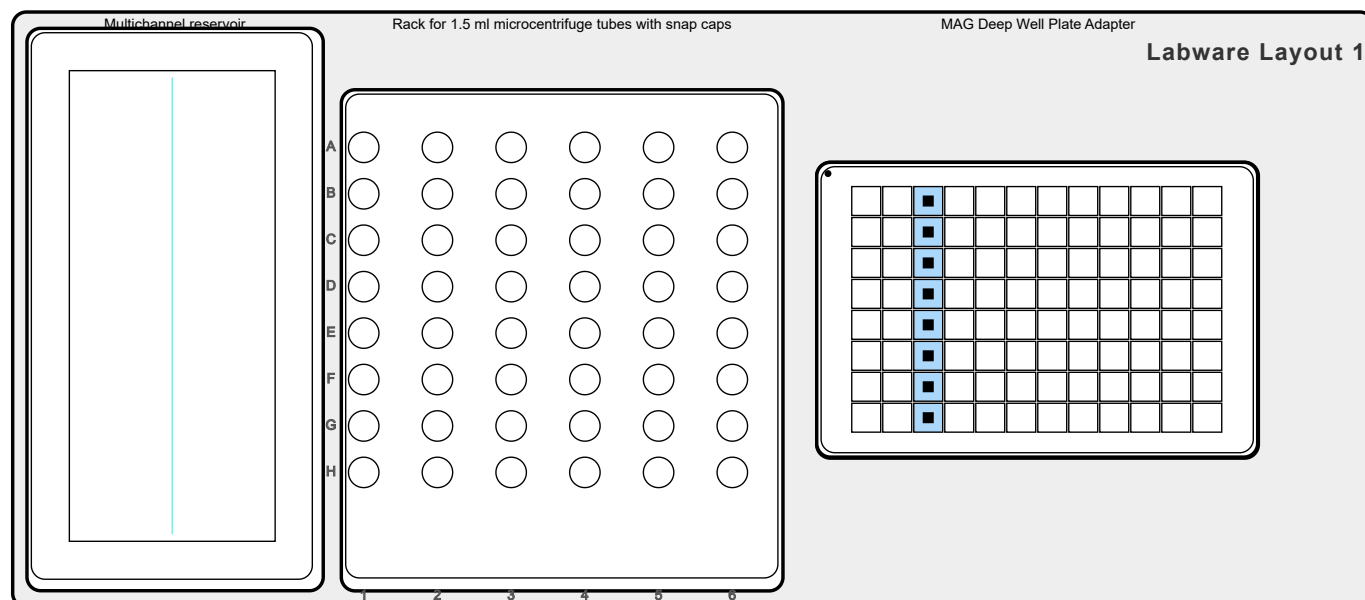
Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C



Total Time:
0 min 9 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:
Wash 4 - mixing



Pipetting settings

Tab	Parameter	Set value
Tip Change	Tip Change:	Continue to next step without change
Tip Touch	Tip Touch:	No

Mix Summary

Mix Target

Step	Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	78.1 mm	250

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	No
Target Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	6
	Tip Travel:	Yes

56 Magnet



Description:

Wash 4 - magnet activation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	27
	Deck Position:	C

57 Delay



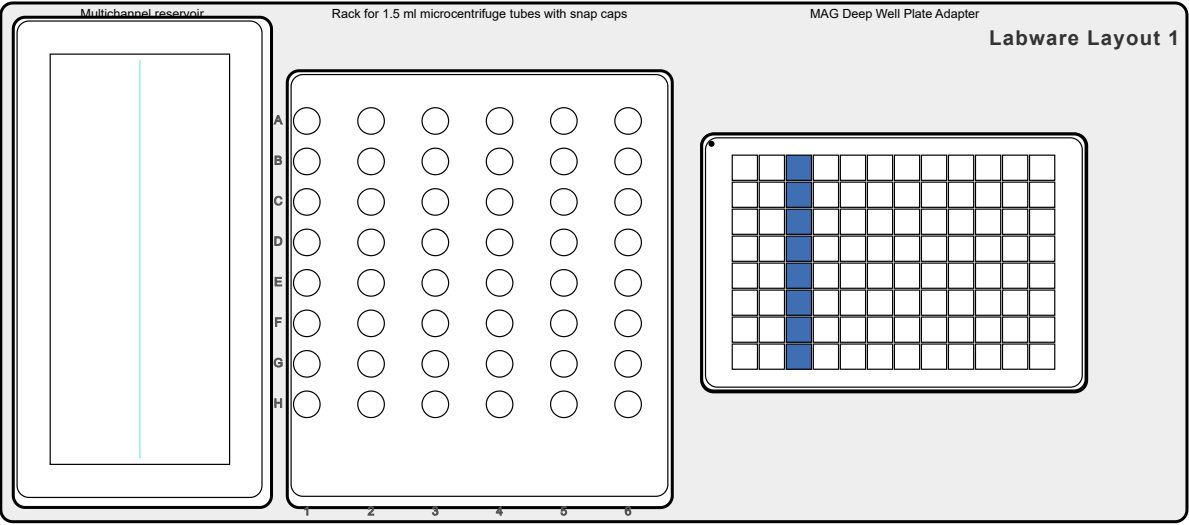
Description:

Wash 4 - incubation

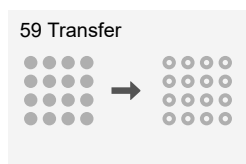
Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	180
	Skip Delay by RUN:	No

58 Volume Change



250.00 µl

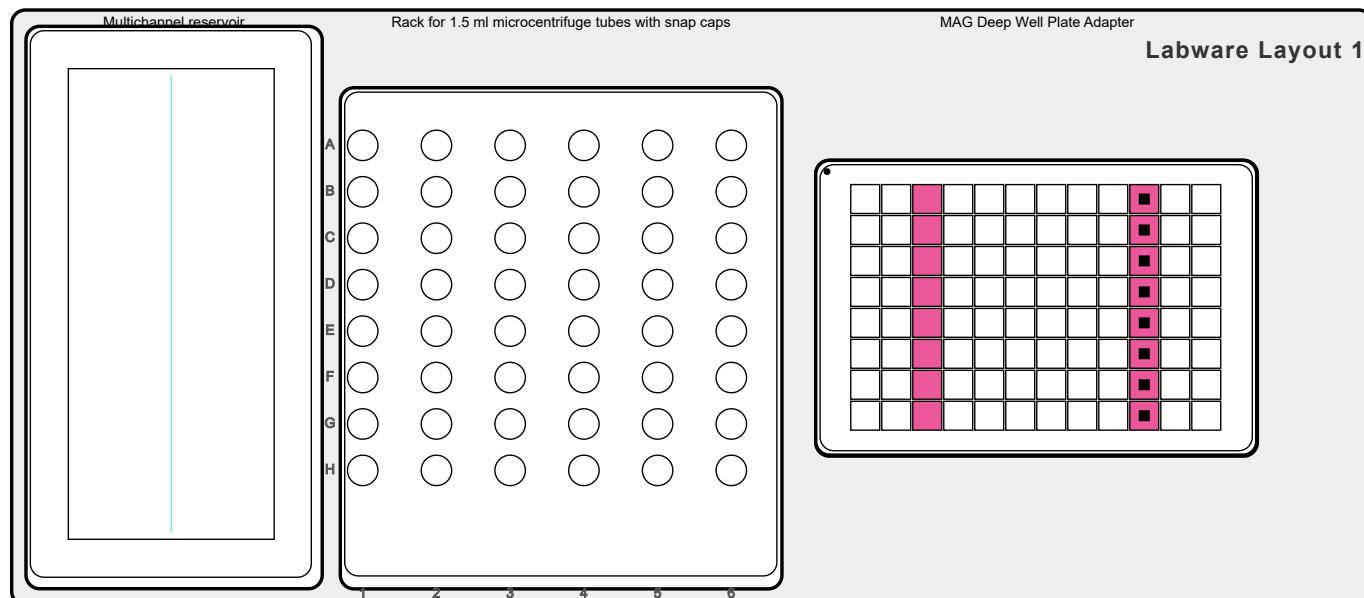


Total Time:
0 min 43 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Wash 4 - supernatant removal



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	75.5 mm	C	A10-H10	100 mm	250

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	8
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 1 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch:	No
Source Extras	Offset X:	C1: -1.4 mm
	Offset Y:	C1: 0 mm
Target Extras	Offset X:	C1: 0 mm
	Offset Y:	C1: 0 mm

60 Magnet



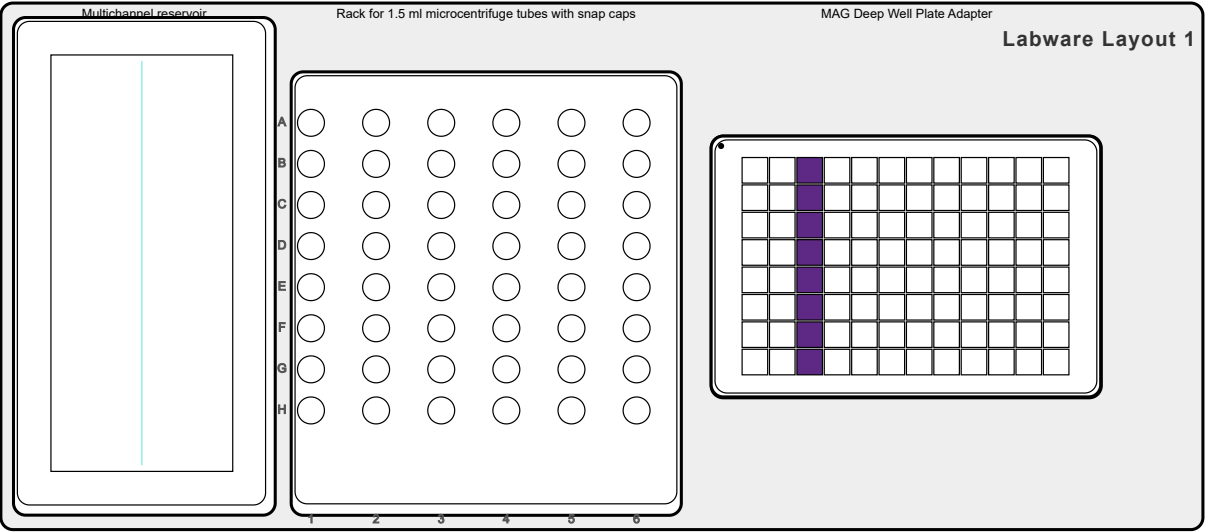
Description:

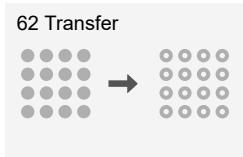
Wash 4 - magnet deactivation and pellet release

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

61 Volume Change



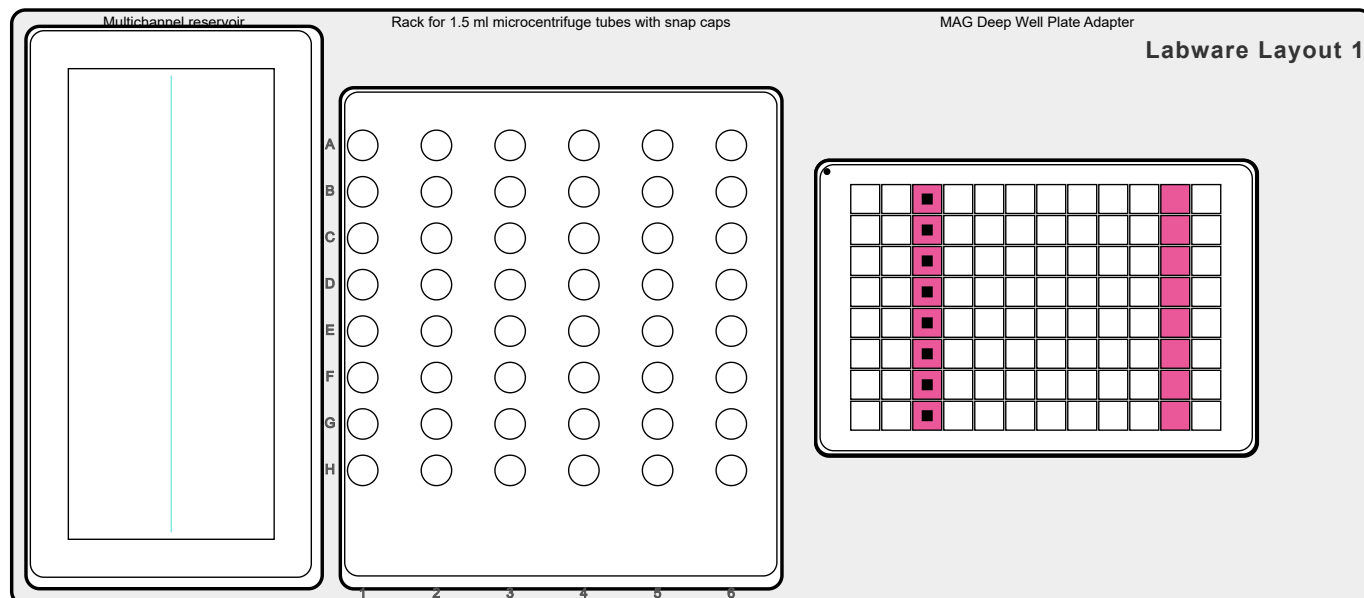


Total Time:
4 min 58 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Elution1 - elution buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A11-H11	77 mm	C	A3-H3	100 mm	50

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
Source Extras	Offset X: Offset Y:	C1: 0 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	C1: 2.1 mm C1: 0 mm

Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A11-H11	77.5 mm	100

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	80

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing: Mix Cycles: Mix Speed: Tip Travel:	Yes 3 5 Yes
Target Mix	Mixing: Mix Cycles: Mix Speed: Mix Pause: Tip Travel:	Yes 45 1 2 s No

63 Magnet



Description:

Elution 1 - magnet activation at 23.0 mm

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	23
	Deck Position:	C

64 Delay



Description:

Elution 1 - incubation

Settings

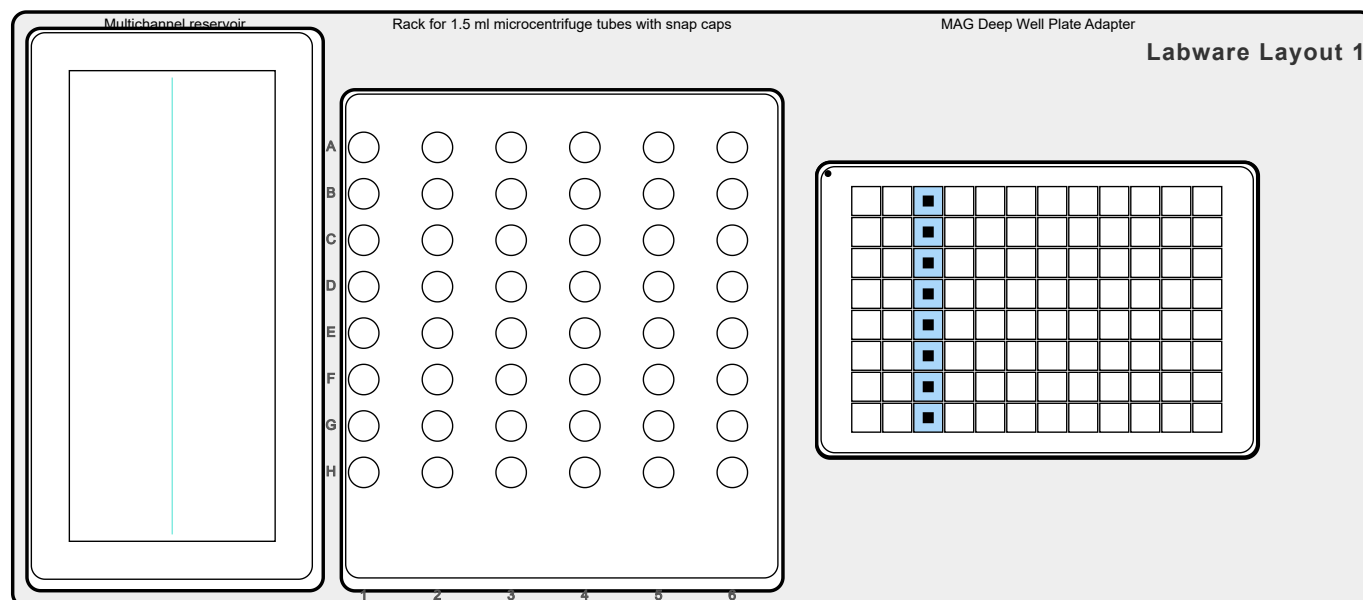
Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	60
	Skip Delay by RUN:	Yes



Total Time:
0 min 35 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:
Elution 1 - mixing



Pipetting settings

Tab	Parameter	Set value
Tip Change	Tip Change:	After step complete
Tip Touch	Tip Touch:	No
Target Extras	Offset X:	C1: -0.3 mm
	Offset Y:	C1: 0 mm

Mix Summary

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	75 mm	50

Mix Settings

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

**Description:**

Elution 1 - magnet activation at 27.0 mm

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	27
	Deck Position:	C

67 Delay

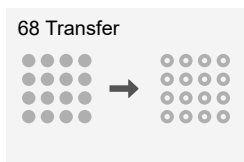


Description:

Elution 1 - incubation

Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	No

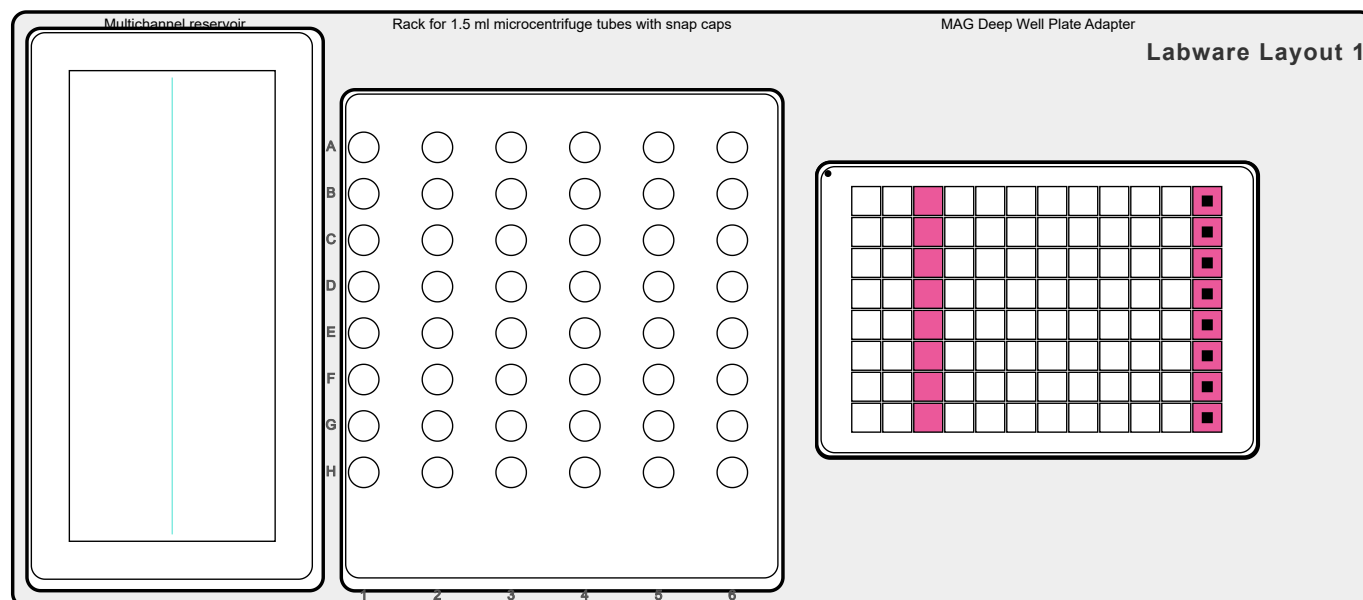


Total Time:
0 min 53 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Elution1 - eluate transfer



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	75 mm	C	A12-H12	78 mm	50

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	Yes
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.5 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 3 mm
Tip Change	Tip Change:	Continue to next step without change

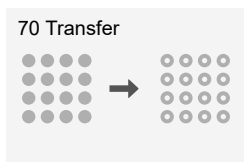
Tip Touch	Tip Touch:	Yes
	Type of Tip Touch:	C1: Side
	Tip Touch Distance:	C1: 3.7 mm
	Tip Touch Height:	C1: 112.3 mm
Source Extras	Offset X:	C1: -0.3 mm
	Offset Y:	C1: 0 mm
Target Extras	Offset X:	C1: -1.8 mm
	Offset Y:	C1: 0 mm

**Description:**

Elution1 - magnet deactivation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

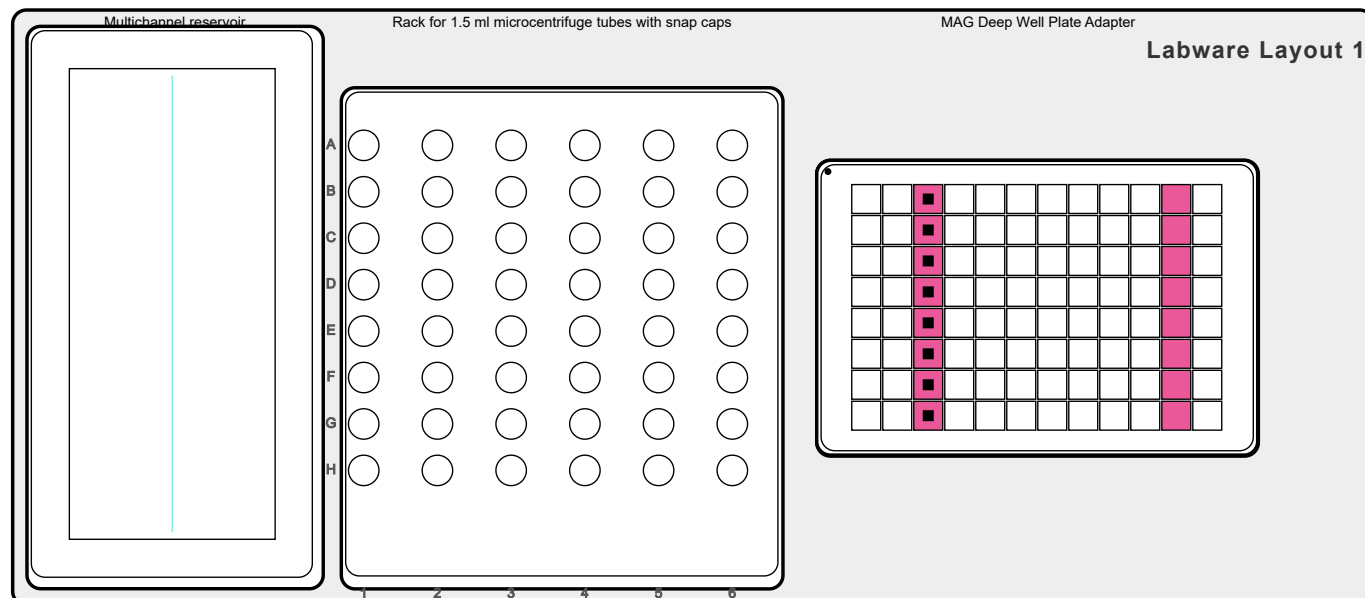


Total Time:
5 min 7 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Elution 2 - elution buffer addition



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A11-H11	76 mm	C	A3-H3	78 mm	50

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	5
	Aspiration Delay [s]:	0
	Dispense Speed:	5
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	No
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 2 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	No
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Mix Summary

Mix Source

Source				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A11-H11	79.6 mm	100

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	74.5 mm	80

Mix Settings

Tab	Parameter	Set value
Source Mix	Mixing:	Yes
	Mix Cycles:	3
	Mix Speed:	5
	Tip Travel:	Yes
Target Mix	Mixing:	Yes
	Mix Cycles:	45
	Mix Speed:	3
	Mix Pause:	5 s
	Tip Travel:	No

71 Magnet



Description:

Elution 2 - magnet activation at 25.0 mm

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	25
	Deck Position:	C

72 Delay



Description:

Elution 2 - incubation

Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	60
	Skip Delay by RUN:	Yes

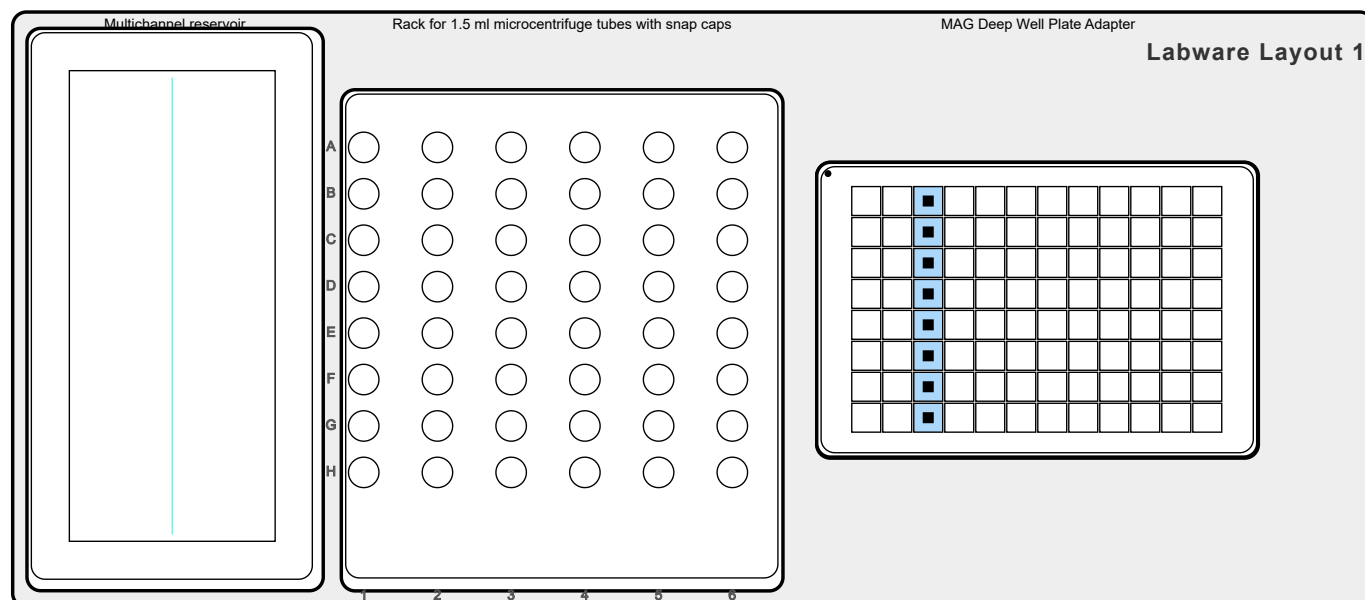


Total Time:
0 min 35 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Elution 2 - mixing



Pipetting settings

Tab	Parameter	Set value
Tip Change	Tip Change:	After step complete
Tip Touch	Tip Touch:	No
Target Extras	Offset X:	C1: -1.8 mm
	Offset Y:	C1: 0 mm

Mix Summary

Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A3-H3	75.5 mm	50

Mix Settings

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

74 Magnet

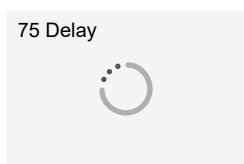


Description:

Elution 2 - magnet activation at 27.0 mm

Settings

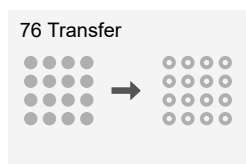
Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	27
	Deck Position:	C

**Description:**

Elution 2 - incubation

Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	No

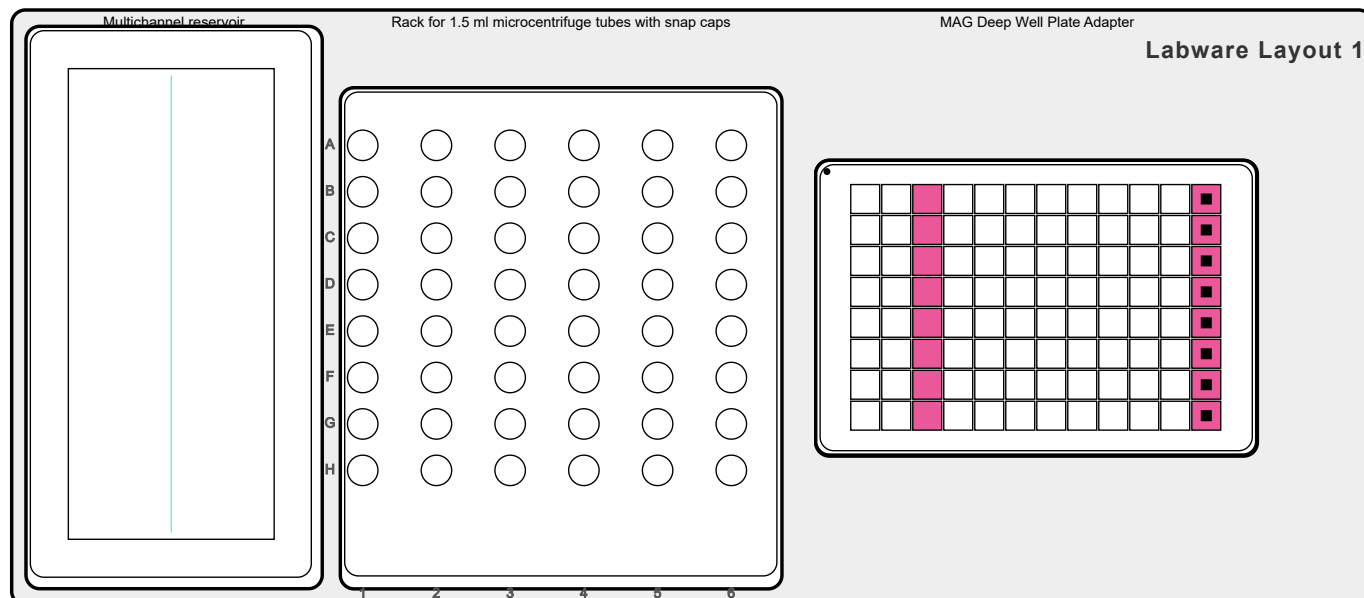


Total Time:
0 min 53 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Elution 2 - eluate transfer



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A3-H3	75 mm	C	A12-H12	78 mm	60

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	6
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	Yes
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.5 mm
Target Pipetting Height	Heights:	C1: Fix
	Tip Travel:	No
	Safety Bottom Offset:	C1: 3 mm
Tip Change	Tip Change:	Continue to next step without change

Tip Touch	Tip Touch:	Yes
	Type of Tip Touch:	C1: Side
	Tip Touch Distance:	C1: 3.7 mm
	Tip Touch Height:	C1: 112.3 mm
Source Extras	Offset X:	C1: -0.3 mm
	Offset Y:	C1: 0 mm
Target Extras	Offset X:	C1: -1.8 mm
	Offset Y:	C1: 0 mm

77 Magnet



Description:

Elution pooled - magnet activation at 25.0 mm

Settings

Tab	Parameter	Set value
Magnet	Mode:	Bind
	Magnet height [mm]:	25
	Deck Position:	C

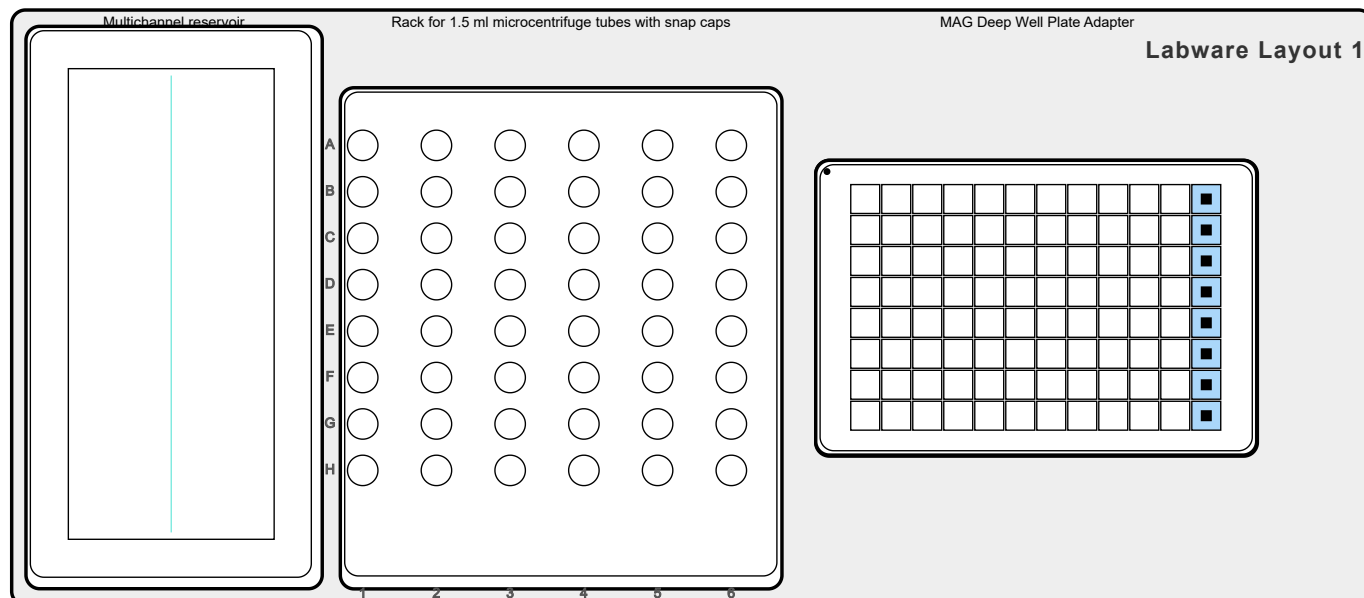


Total Time:
0 min 43 sec

Total Tip Consumption:
Tip 1250µl: 0

Description:

Elution pooled - mixing



Pipetting settings

Tab	Parameter	Set value
Tip Change	Tip Change:	After step complete
Tip Touch	Tip Touch:	No
Target Extras	Offset X:	C1: 2.1 mm
	Offset Y:	C1: 0 mm

Mix Summary

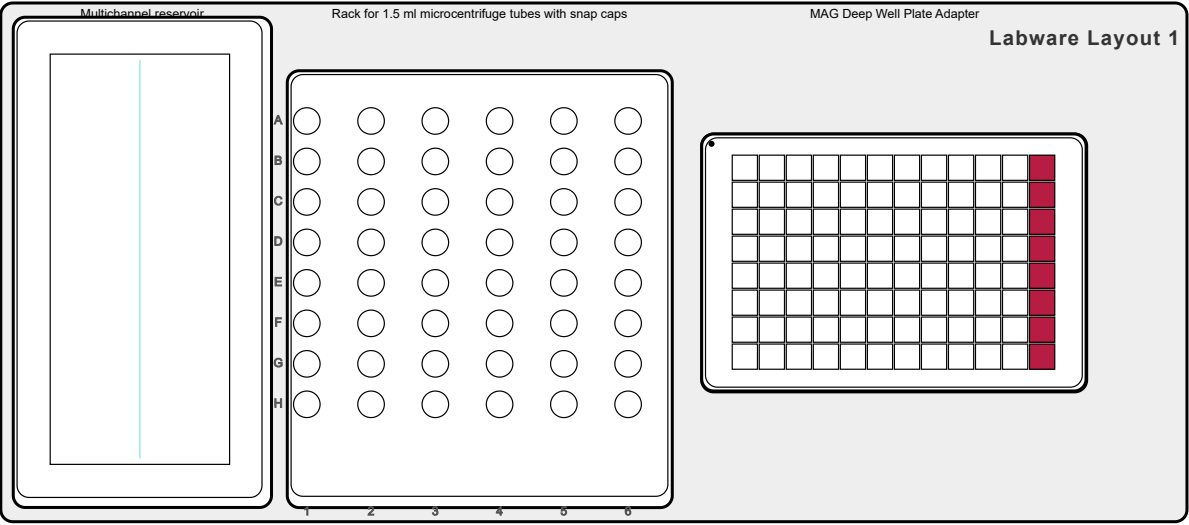
Mix Target

Target				
Step	Deck Position	Well Positions	Start Height [mm]	Volume [µl]
1	C	A12-H12	75.5 mm	80

Mix Settings

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

79 Volume Change



120.00 µl

80 Delay

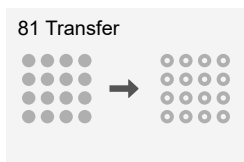


Description:

Elution pooled - incubation

Settings

Tab	Parameter	Set value
Delay	Mode:	Delay
	Delay Time [s]:	120
	Skip Delay by RUN:	No

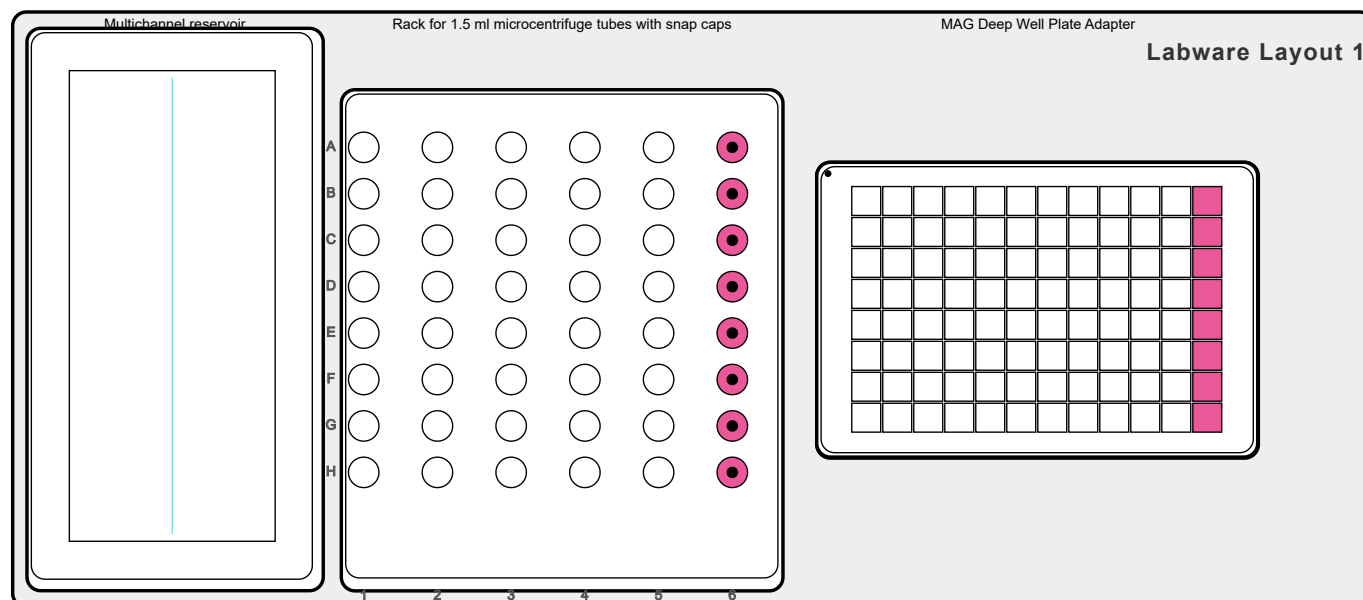


Total Time:
0 min 54 sec

Total Tip Consumption:
Tip 1250µl: 8

Description:

Elution pooled - eluate transfer



Summary individual transfers

Step	Source			Target			Volume [µl]
	Deck Position	Well Positions	Start Height [mm]	Deck Position	Well Positions	Start Height [mm]	
1	C	A12-H12	76 mm	B	A6-H6	18 mm	120

Pipetting settings

Tab	Parameter	Set value
Volumes	Volume:	Fix
Pipetting Speeds	Aspiration Speed:	1
	Aspiration Delay [s]:	0
	Dispense Speed:	8
	Dispense Delay [s]:	0
	Slow Liquid Exit Aspiration:	Yes
	Slow Liquid Exit Dispensation:	No
Source Pipetting Height	Heights:	C1: Fix
	Tip Travel:	Yes
	Safety Bottom Offset:	C1: 0.3 mm
Target Pipetting Height	Heights:	B: Fix
	Tip Travel:	No
	Safety Bottom Offset:	B: 2 mm
Tip Change	Tip Change:	After step complete

Tip Touch	Tip Touch: Type of Tip Touch: Tip Touch Distance: Tip Touch Height:	Yes B: Side B: 3.9 mm B: 47.5 mm
Source Extras	Offset X: Offset Y:	C1: 1.2 mm C1: 0 mm
Target Extras	Offset X: Offset Y:	B: 0 mm B: 0 mm

82 Magnet



Description:

Elution pooled - magnet deactivation

Settings

Tab	Parameter	Set value
Magnet	Mode:	Release
	Magnet height [mm]:	0
	Deck Position:	C

83 Message



Description:

Run finished

Settings

Tab	Parameter	Set value
Message	Mode:	Play and confirm
	Message Line 1:	Run
	Message Line 2:	finished
	Message Line 3:	-

Run Protocol

Program Name	PlateX MP protocol for INTEGRA ASSIST PLUS.iaa
Program Name (on pipette)	LabOnPlate
Run-specific notes	
Storage path run report	C:\Program Files (x86)\INTEGRA Biosciences AG\VIALAB\Report.pdf
Hash code	21884526-0429-3f4d-c548-aa8b2376036d
Software Version	VIALAB 3.8.0
Instrument - Firmware Version - Serial Number	
Pipette - Firmware Version - Serial Number	
Pipette Tips - Part Number - Lot Number	1250 µl GRIPTIPS, Sterile, Filter - 6445 -
Modules - Firmware Version - Serial Number	
Run Operator	
Operator Role	User management not activated
Time Zone	UTC +02:00
Run Date	
Run Start Time	
Run End Time	
Live Log	
Signature	