General info

Protocol information

Protocol name	Blood_RNA_1mL_Flex
Modified by	admin
Kit name	MagJET Whole Blood RNA Purification Kit
Description	MagJET Whole Blood RNA Kit Protocol for RNA purification from 1mL of blood using KingFisher Flex instrument.

Sample layout

	1	2	3	4	5	6
A						
B						
C						
D						

Reagent info

Sample		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
Blood Sample	1000	-	Sample
Lysis Buffer	1000	-	Reagent
Proteinase K	80	-	Reagent

Wash 1		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
Wash Buffer 1	2800	-	Reagent

Wash 2		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
Wash Buffer 2	2800	-	Reagent

Wash 3		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
Wash Buffer 2	2800	-	Reagent

Elution		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
Water, nuclease free	200	-	Reagent

Tip plate		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
-	-	-	-

Prewash 1		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
Wash Buffer 1	2800	-	Reagent

DNase I		KingFisher 24 DW plate	
Name	**Well volume [µl]**	**Total reagent volume [µl]**	**Type**
DNase I solution	200	-	Reagent

Dispensed reagents

Sample		KingFisher 24 DW plate	
Name	**Step**	**Well volume [µl]**	**Total reagent volume [µl]**
Magnetic Beads	Dispense 1	60	-
Isopropanol	Dispense 1	2000	-

DNase I		KingFisher 24 DW plate	
Name	**Step**	**Well volume [µl]**	**Total reagent volume [µl]**

Rebinding Buffer   Dispense 2   1400   -

Steps data

	Tip	24 DW tip comb

	Pick-Up	Tip plate

	Lysis	Sample	
	Beginning of step	Precollect	No
		Release beads	No
	Mixing / heating:	Mixing time, speed	00:15:00, Medium
		Heating during mixing	No
	End of step	Postmix	No
		Collect beads	No

	Dispense 1	Sample	
		Message	Add Magnetic Beads 60 µl and Isopropanol 2000 µl
	Reagent(s)	Dispensing volume [µl]	2060
		Name	Magnetic Beads
		Volume [µl]	60
		Name	Isopropanol
		Volume [µl]	2000

	Bind	Sample	
	Beginning of step	Precollect	No
		Release beads	No
	Mixing / heating:	Mixing time, speed	00:05:00, Bottom mix
		Heating during mixing	No
	End of step	Postmix	No
		Collect count	5
		Collect time [s]	3

	Pre_WS1	Prewash 1	
	Beginning of step	Precollect	No
		Release beads	Yes
	Mixing / heating:	Shake 1 time, speed	00:00:05, Bottom mix
		Shake 2 time, speed	00:01:00, Fast
		Heating during mixing	No
	End of step	Postmix	No
		Collect count	3
		Collect time [s]	1

	Dry	Prewash 1	
		Dry time	00:02:00
		Tip position	Outside well / tube

DNase I		DNase I	
Beginning of step		Precollect	No
		Release beads	Yes
Mixing / heating:		Shake 1 time, speed	00:00:15, Bottom mix
		Shake 2 time, speed	00:15:00, Medium
		Heating temperature [°C]	37
		Preheat	Yes
End of step		Postmix	No
		Collect beads	No

Dispense 2		DNase I	
		Message	Add 1.4ml Rebinding Solution
		Dispensing volume [µl]	1400
Reagent(s)		Name	Rebinding Buffer
		Volume [µl]	1400

Rebinding		DNase I	
Beginning of step		Precollect	No
		Release beads	Yes
Mixing / heating:		Mixing time, speed	00:05:00, Fast
		Heating during mixing	No
End of step		Postmix	No
		Collect count	3
		Collect time [s]	1

Wash 1		Wash 1	
Beginning of step		Precollect	No
		Release time, speed	00:00:05, Bottom mix
Mixing / heating:		Mixing time, speed	00:01:00, Fast
		Heating during mixing	No
End of step		Postmix	No
		Collect count	3
		Collect time [s]	1

Wash 2		Wash 2	
Beginning of step		Precollect	No
		Release time, speed	00:00:05, Bottom mix
Mixing / heating:		Mixing time, speed	00:01:00, Fast
		Heating during mixing	No
End of step		Postmix	No
		Collect count	3
		Collect time [s]	1

Wash 3		Wash 3	
Beginning of step		Precollect	No
		Release time, speed	00:00:05, Bottom mix
Mixing / heating:		Mixing time, speed	00:01:00, Fast
		Heating during mixing	No
End of step		Postmix	No
		Collect count	3
		Collect time [s]	2

	Dry 2	Wash 3	
		Dry time	00:05:00
		Tip position	Above well / tube surface

	Elution	Elution	
	Beginning of step	Precollect	No
		Release time, speed	00:00:05, Fast
	Mixing / heating:	Mixing time, speed	00:05:00, Fast
		Heating temperature [°C]	60
		Preheat	Yes
	End of step	Postmix	No
		Collect count	5
		Collect time [s]	30

	ReleaseBeads	Wash 3	
		Release time, speed	00:00:01, Fast

	Leave	Tip plate	

Lot info

> No lot numbers have been defined.