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Technical Note

MagSi-NA Pathogens | Now available: Half volume protocol | Save 50% reagent costs by reducing volumes

Description

MagSi-NA Pathogens was recently updated with a small volume protocol for nucleic acid extraction. As a result, each kit contains sufficient material for twice the number of samples. The small scale protocol is suitable to extract nucleic acids from 100 µL with a final elution volume of 50 µL. Please note that using a KingFisher instrument, it is not possible to reduce the elution volume for concentration of nucleic acid with this protocol.

MagSi-NA Pathogens protocols		
Component	**Standard**	**50% reduced**
Sample	Up to 200 µL	Up to 100 µL
Lysis Buffer PA1	200 µL	100 µL
Proteinase K (20 mg /mL)	10 µL	5 µL
Poly-A-RNA (2.5 mg/mL)	1 µL	0.5 µL
Binding Buffer U1	400 µL	200 µL
MagSi-PA VII	20 µL	10 µL
Wash Buffer I	2 x 800 µL	2 x 400 µL
Wash Buffer II	800 µL	400 µL
Elution Buffer	50-100 µL	50 µL*

* Most nucleic acid extraction instruments require a minimum volume of 50 µL. If possible, a lower elution volume can be used.

User notes

- KingFisher Flex protocols are available on request (email: info@magtivio.com)
- The instrument protocol is compatible with BindIt™ 4.0 software
- For tips and advice on how to adapt the instrument protocol for software of the KingFisher 96 or MagMax Express instruments, please email info@magtivio.com
- For further information about the MagSi-NA Pathogens kit, please refer to the Product Manual.
- MagSi-NA Pathogens is optimized for total NA extraction from serum / plasma and swabs.
- In case of suboptimal sample storage, sample transport, or PCR kits, the protocol using 50% reduced volumes may cause PCR to produce higher Ct values.

Table 1. Reagents and equipment for use on KingFisher Flex

Product	Art. No.	Required number per run
MagSi-NA Pathogens (96 preps) ***NOW 2x96!***	MDKT00210096	-
MagSi-NA Pathogens (10x96 preps) ***NOW 20x96!***	MDKT00210960	-
KingFisher Flex magnetic particle processor	5400620*	-
KingFisher Flex 96 Deepwell head	24074431*	-
2 ml Deepwell Plate with square wells for KingFisher™	MDPL00200060	4
200 µL square-well Elution Plate for KingFisher™	MDPL00190060	1
96 well Tip-Comb for KingFisher™	MDPL00210060	1

* supplied by Thermo Fisher Scientific

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