

**Product Name】** MagPure Blood RNA Precast Kit (KingFisher Flex, 300ul)

Expert in Biological Sample Preparation

**【Product Specification】** 96 Preps/Kit

**【Intended Use】**

This product is suitable for extracting total viral nucleic acid from cell-free /low-content cell biological samples such as body fluids, serums, plasma, soaking solutions, tissue homogenate supernatant, and culture supernatant. The product after treatment is used for RT-PCR and PCR detection.

**【Principle】**

This product is based on the purification method of high binding magnetic particles. The sample is lysed and digested under the action of lysate and Protease. DNA/RNA is released into the lysate. After adding magnetic particles and binding solution, DNA/RNA will be adsorbed on the surface of magnetic particles, and impurities such as proteins will be removed without adsorption. The adsorbed particles were washed with washing solution to remove proteins and impurities, washed with ethanol to remove salts, and finally DNA/RNA was eluted by Nuclease Free Water.

**【Main Composition】**

Cat.No	Precast Reagent	D6311-F96	D6311-F96B
DNase I		2 x 600 $\mu$ l	2 x 600 $\mu$ l
Proteinase K		50 mg	110 ml
Protease Dissolve Buffer		5 ml	10 ml
96-Tip (KingFisher Flex)		1	1
Sample Plate A (DW Plate)	600 $\mu$ l Buffer MCB	1	1
Sample Plate B (DW Plate)	600 $\mu$ l Buffer MCB 20 $\mu$ l MagPure Partilces	-	1
Wash 1 Plate (DW Plate)	600 $\mu$ l Buffer MW1	1	1
DNase Plate	300 $\mu$ l DNase Buffer	1	1
Wash 3 Plate (DW Plate)	600 $\mu$ l Buffer CW 30 $\mu$ l MagPure Partilces	1	1
Wash 4 Plate (DW Plate)	600 $\mu$ l Buffer CW	1	1
Elute Plate (KF Plate)	100 $\mu$ l Buffer AE/Well	1	1

**【Storage conditions and validity】**

**【Applicable Instrument】**

Nucleic Acid Extraction Machine such as KingFisher Flex or similar.

**【Preparation before Use】**

- Add 2.5ml Protease Dissolve Buffer into the bottle of Proteinase K, and then stored at - 20~8°C.
- Add 1.4ml Protease Dissolve Buffer into the bottle of RNase A, and then stored at - 20~8°C.
- Add 40ml absolute ethanol into the bottle of Buffer BD, and then stored at room temperature.
- (Optional) 2-mercaptoethanol can be added to an aliquot of RTL Lysis Buffer before use. Add 20 $\mu$ l 2-mercaptoethanol per 1ml RTL Lysis Buffer. This mixture can be stored for 2 weeks at room temperature

**【Operateion A of Kingfisher Flex】**

1. Take out the required components of the kit..
2. Inverting the Sample Plate several times to re-suspend the magnetic beads.
3. Remove the sealing bag and sealing film.
4. Add 300 $\mu$ l whole blood or 200 $\mu$ l Buffy coat into the well of Sample Plate.
5. Add 20 $\mu$ l Proteinase K into the well of Sample Plate.
6. Add 10 $\mu$ l DNase I into the well of DNase Plate.
7. Place a 96 tip comb for deep well magnets on Wash 3 Plate.
8. Start the D6311\_Flex protocol with the KingFisher Flex 96 and load the plates.
9. Add 450 $\mu$ l Buffer MCB to the DNase plate during the dispense step.
10. Place the DNase plate back into the instrument and press Start. After the pause, the protocol will continue to the end.
11. After the run is completed, remove the plates and store the purified total RNA.












### 【Operateion B of Kingfisher Flex】

1. Take out the required components of the kit..
2. Inverting the Sample Plate several times to re-suspend the magnetic beads.
3. Remove the sealing bag and sealing film.
4. Add two of 300µl whole blood into the well of Sample Plate A and B.
5. Add 20µl Proteinase K into the well of Sample Plate A an B.
6. Add 10µl DNase I into the well of DNase Plate.
7. Place a 96 tip comb for deep well magnets on Wash 3 Plate.
8. Start the D6311B\_Flex protocol with the KingFisher Flex 96 and load the plates.
9. Add 450µl Buffer MCB to the DNase plate during the dispense step.
10. Place the DNase plate back into the instrument and press Start. After the pause, the protocol will continue to the end.
11. After the run is completed, remove the plates and store the purified total RNA.

### 【Basic Information】

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### 【Explanation of Marks】

	The product is used in vitro, please don't swallow it		Please don't reuse it
	Validity		Please read the instruction book carefully before using
	Warning, please refer to the instructions in the annex		Manufacturer
	Temperature scope within which the product is reserved		Batch number
	European union authorization representative		Keep dry
	Avoid overexposure to the sun		Don't use the product when the package is damaged