

HPV DNA Extraction Kit

HPV DNA Extraction Kit can be used to efficiently purify viral DNA from cervical swabs, FTA card washing solution and is suitable for downstream molecular detection.

- High extraction efficiency
- Automation friendly
- Compatible with PCR, qPCR



Product Information

Product Name	HPV DNA Extraction Kit
Cat. No.	1000028433
Model	HD01T-96
Specification	96 preps
Principle	Magnetic Beads
Storage Temperature	Box1, 0~30°C; Box1, -25~-15°C
Validity Period	12 months
Sample Type	Cervical swab, FTA card washing solution
Application	PCR, RT-qPCR
Recommended Automatic Platform	MGISP-960
Certificate	CEDoc

Performance

Method

11 simulated positive samples with different types are extracted with MGI HPV DNA Extraction Kit and Competitor Q Kit and detected by Nucleic Acid Detection Kit for Human Papillomavirus 16 and 18 (PCR-Fluorescence Probing) .

The results

The detection results of MGI HPV DNA extraction kit using MGISP-960 were consistent with the original. The MGI kit has better extraction efficiency than control kit (comp Q).

Table 1 RT-qPCR Result

No.	Sample	Original result	FAM-HPV16		VIC-HPV18		Is MGI kit result consistent with Control (Y/N) ?
			MGI HPV DNA	Control kit (Comp Q)	MGI HPV DNA	Control kit (Comp Q)	
1	Cervical swab-Hologic PreservCyt. Solution	HPV16 +	23.6	25.15	23.6	25.15	Y
2		HPV16 +	34.3	39.51	34.3	39.51	Y
3		HPV16 +	16.02	17.4	16.02	17.4	Y
4	Cervical swab-BGI Cell Preservation Solution	HPV16 +	20.5	21.48	20.5	21.48	Y
5		HPV18 +	-	-	-	-	Y
6		HPV18 +	-	-	-	-	Y
7		HPV18 +	-	-	-	-	Y
8	FTA Card	HPV16 +	34.66	37.28	34.66	37.28	Y
9		HPV16 +	24.38	25.64	24.38	25.64	Y
10		HPV18 +	-	-	-	-	Y
11		HPV18 +	-	-	-	-	Y

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