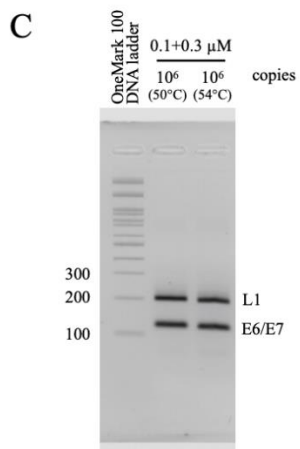
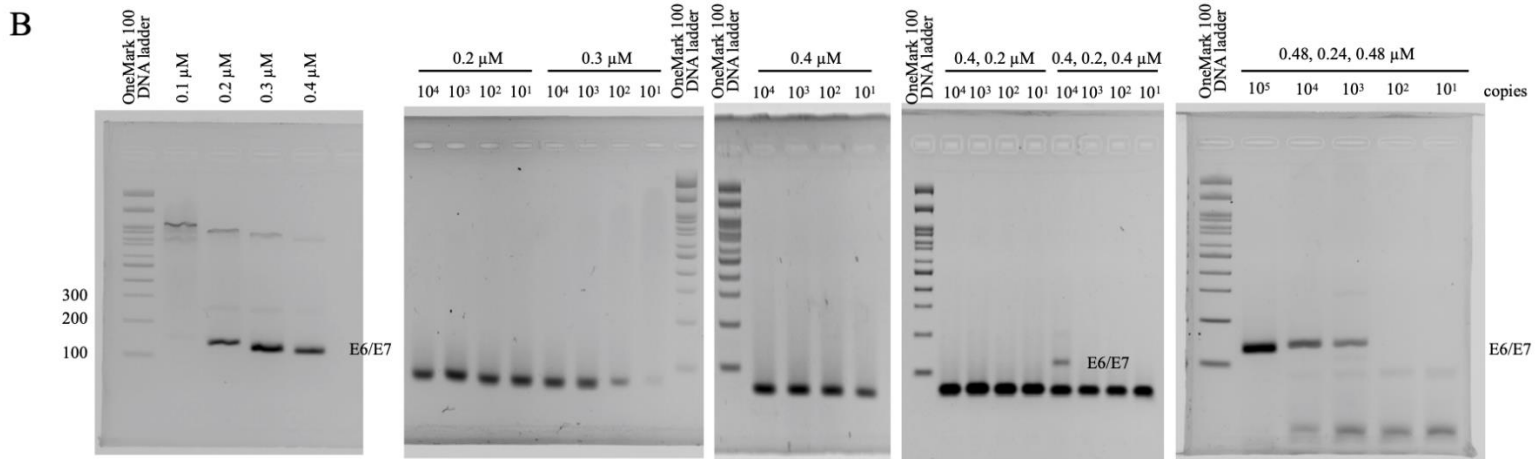
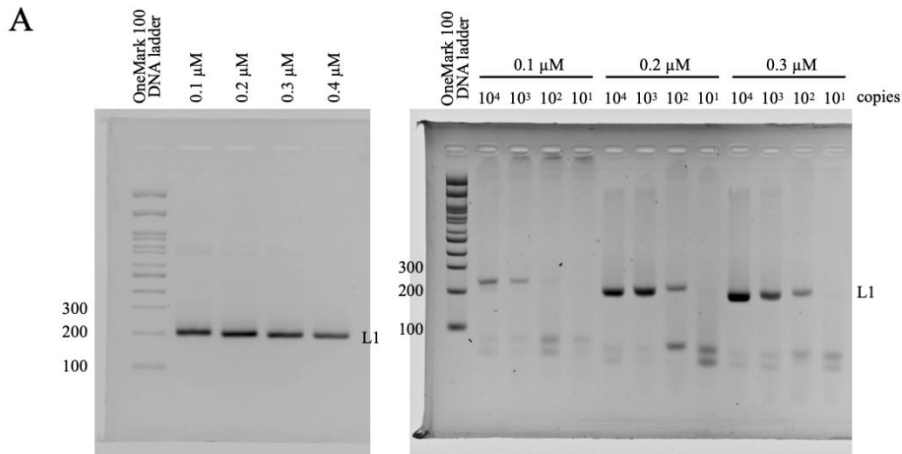


Multiplex recombinase polymerase amplification for high-risk and low-risk type HPV detection, as potential local use in single tube

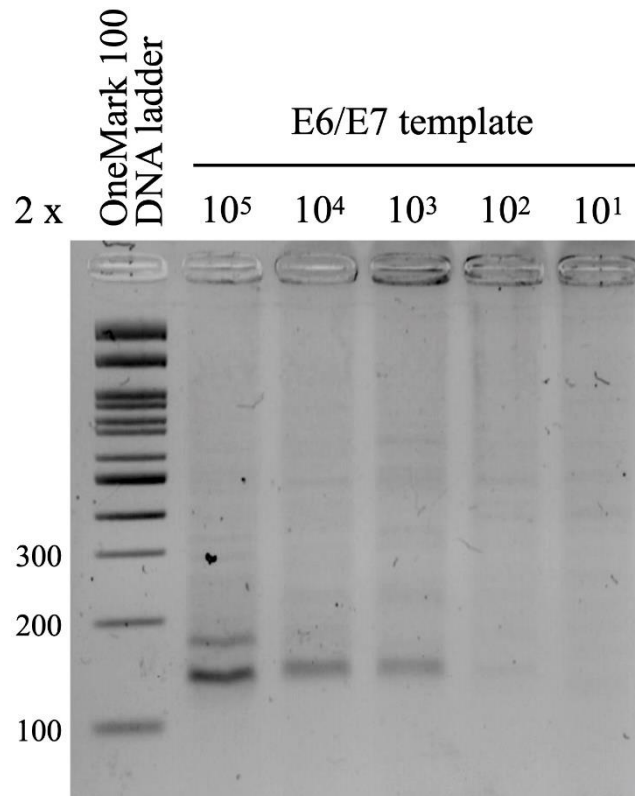
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Supplementary Figures and Tables

Supplemental Figure 1. Minimal multiplex primer concentration for L1 (**A**), E6/E7 (**B**), and both L1 and E6/E7 (**C**) PCR.



Supplemental Figure 2. Agarose electrophoretic images of mRPA reaction at optimal reaction conditions using single E6/E7 template.



Supplemental Table 1. PCR primers for HPV L1 and E6/E7 genes of HR (types 18 and 33) and LR (11).

Target gene and HPV type	Primer name	Sequences (5' → 3')	Annealing temp. (°C)	Product size (bp)
L1 HPV18	PCR_L1-HPV18F	CCTGGCAGCTGTGTGTATTC	63	669
	PCR_L1-HPV18R	TTACTTCCTGGCACGTACAC		
L1 HPV11	PCR_L1-HPV11F	AGTGGTGGGTATGGTGGT	61	1056
	PCR_L1-HPV11R	TATACCTGTACGAGCAGACG		
E6/7 HPV18	PCR_E6/7HPV18F	ACAAGCTACCTGATCTGTGC	61	729
	PCR_E6/7HPV18R	AGGACAGGGTGTTTCAGAA		
E6/7 HPV33	RPA_HP_VR_F	GAGGTATATGAYTTTGCTTTTCSWGATTTA	65	492
	E6/7HPV33R	CTGTGGCTGGTTGTDCTTGTCCATCTGGC		

