Table S1-Ta. Apoptosis fate of Th [*] after exposure to three disinfectants at various concentrations (70)								
	Povidone iodine		Chlorhexidine acetate		РНМВ			
	Early	Late apoptosis	Early	Late apoptosis	Early	Late apoptosis		
	apoptosis		apoptosis		apoptosis			
1/512	4.34 ± 0.36	93.83 ± 1.86	0.78 ± 0.57	13.93 ± 2.06	1.71 ± 0.73	13.90 ± 2.98		
1/64	-	-	1.54 ± 0.36	15.93 ± 2.96	1.03 ± 0.32	15.83 ± 2.12		
1/8	-	-	1.69 ± 0.23	$74.80\pm2.56\texttt{*}$	$8.69 \pm 2.05 \texttt{*}$	$81.43 \pm 3.39 \texttt{*}$		

Table S1-1a. Apoptosis rate of HF after exposure to three disinfectants at various concentrations (%)

-unable to detect; *statistically significant difference compared with previous dilution; P < 0.05

Table S1-1b. Apoptosis rate of HaCat after exposure to three disinfectants at va	rious concentrations	(%)
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	Povidone iodine		Chlorhexidine acetate		PHMB	
	Early	Late apoptosis	Early	Late apoptosis	Early	Late apoptosis
	apoptosis		apoptosis		apoptosis	
1/512	0.16 ± 0.07	99.43 ± 0.35	0.96 ± 0.35	8.78 ± 0.17	4.08 ± 0.45	10.39 ± 1.06
1/64	-	-	$2.62\pm0.89\texttt{*}$	$20.90\pm2.15\texttt{*}$	3.48 ± 0.54	$20.17\pm5.70\texttt{*}$
1/8	-	-	2.22 ± 0.20	$86.77 \pm 5.49 \texttt{*}$	2.15 ± 0.16	$87.50\pm3.17\texttt{*}$

-unable to detect; *statistically significant difference compared with previous dilution; $P \le 0.05$

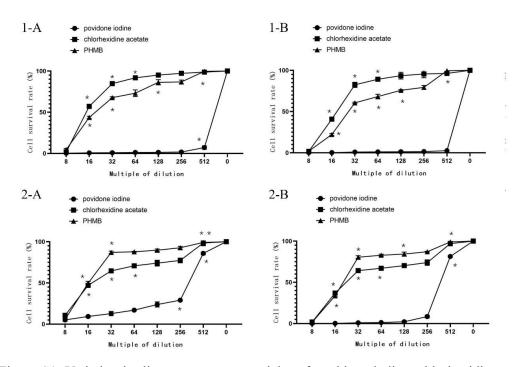
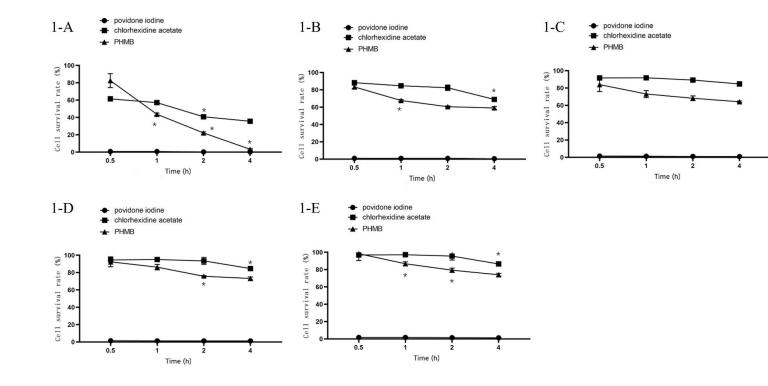


Figure S1. Variation in direct contact cytotoxicity of povidone iodine, chlorhexidine acetate, and PHMB with concentration . *Compared with the previous dilution ratio, there was a significant difference (P < 0.05). Figure S1-1: HF. Figure S1-2: HaCaT. A: Cytotoxicity after 1 hour. B: Cytotoxicity after 2 hour.



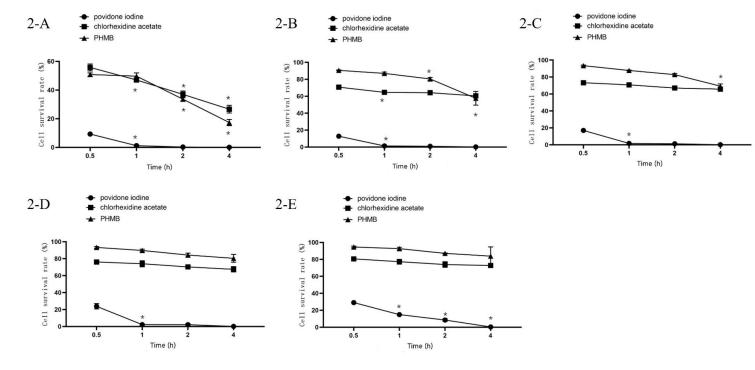


Figure S2. Direct-contact cytotoxicity of various dilutions of povidone iodine, chlorhexidine acetate, and PHMB. *Compared with the previous period, there were significant changes, P < 0.05. Figure S2-1: HF. Figure S2-2: HaCaT. A: Cytotoxicity of three disinfectants at 1/16 dilution. B: Cytotoxicity of three disinfectants at 1/32 dilution. C: Cytotoxicity of three disinfectants at 1/64 dilution. D: Cytotoxicity of three disinfectants at 1/128 dilution. E: Cytotoxicity of three disinfectants at 1/256 dilution.