

**Enzyme-free and sensitive method for single-stranded nucleic acid detection  
based on CHA and HCR**

Xiaolong Chen <sup>a</sup>, Chaowang Huang <sup>a</sup>, Fuping Nie <sup>b,\*</sup>, Mingdong Hu <sup>a,c,\*</sup>.

<sup>a</sup> Department of Geriatrics and Special Services Medicine, Xinqiao Hospital, Army Military Medical University, Chongqing 400037, China.

<sup>b</sup> State Key Laboratory of Cattle Diseases Detection (Chongqing), Chongqing Customs Technology Center, Chongqing, 400020, PR China.

<sup>c</sup> Department of Health Management, Xinqiao Hospital, Army Military Medical University, Chongqing 400037, China.

\*Corresponding author: Department of Geriatrics and Special Services Medicine, Xinqiao Hospital, Army Military Medical University, Shapingba, Chongqing 400037, China. Email: humingdong@tmmu.edu.cn.

**Table S1.** The formula of 15% polypropylene gel.

<b>Project</b>	<b>Volume</b>
ddH <sub>2</sub> O	3.75
30%Acr-Bis (29:1)	7.5
TBE buffer (4×)	3.75
10% APS	0.15
TEMED	0.006