

Amplification of *Escherichia coli* in a Continuous-Flow-PCR Microfluidic Chip and Its Detection with a Capillary Electrophoresis System

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Materials

Name	Company	Catalog Number	Comments
100 bp DNA ladder	Takara Bio Inc.	3422A	
10x Fast Buffer I	Takara Bio Inc.	RR070A	
10x TBE	Beijing Solarbio Science & Technology Co., Ltd.	T1051	
developer solution	Alfa Aesar, USA	L15459	
dNTP mixture (2.5 μM)	Takara Bio Inc.	RR070A	
EC-F	Sangon Biotech, Shanghai, China		
EC-R	Sangon Biotech, Shanghai, China		
HEC,1300K	Sigma-Aldrich, USA	9004-62-0	
isopropanol	Aladdin, Shanghai, China	67-63-0	
microscope	Olympus, Japan	BX51	
photolithography	SUSS MicroTec, Germany	MJB4	
photomultiplier tube	Hamamatsu Photonics, Japan	R928	
photoresist	MicroChem, USA	SU-8 2075	
PID temperature controllers	Shanghai, China	XH-W2023	
plasma cleaner	Harrick Plasma	PDC-32G-2	
polyvinyl pyrrolidone (PVP)	Aladdin, Shanghai, China	P110608	
pump	Harvard Apparatus	PHD2000	
silicone tubing	BIO-RAD, USA	7318210	
solid-state relays	KZLTD, China	KS1-25LA	
SpeedSTAR HS DNA Polymerase	Takara Bio Inc.	RR070A	
steel needle	zhongxingheng, Suzhou, China		
SYBR GREEN I	Solarbio, Beijing, China	SY1020	
temperature sensors	EasyShining Technology, Chengdu, China	TCM-M207	
Template (<i>E. coli</i>)	Takara Bio Inc.	AK601	

Tween 20	Aladdin, Shanghai, China	T104863	
voltage power supply	Medina, NY, USA	TREK MODEL 610E	