美国应用生物系统公司

ABI Prism® 7900HT PCR

操作手册

ABI PRISM“ 7900HT ø ð › G h PCR ® Å \ Í · Ù . & * 3

ABI PRISM“ 7900HT ø ð › G h PCR ® Å \ Í · ‡ s G h 4

¢ . — o 4
• . í Ù 3 Ñ 4
8 . p ì • " 4
. õ ô • " 5
T . ¡ , 6 ¶ 6
¢ . s N 6 , ... 7
^ . ô l Ó e 7
6 . ¡ ´ 7

ABI PRISM“ 7900HT ø ð › G h PCR ® Å \ Í · - s G h 9

¢ . — o 9
• . í Ù 3 Ñ 9
8 . p ì • " 9
. õ ô • " 10
T . ¡ , 6 ¶ 11
¢ . s N 6 , ... 12
^ . ô l Ó e 12
6 . • " STUDY 12
T . ¡ ´ 12

ABI PRISM“ 7900HT ø ð › G h PCR ® Å \ Í · 4 $ ` P 14

¢ . — o 14
• . í Ù 3 Ñ 14
8 . • " DETECTOR ä MARKER 15
. õ ô • " 16
T . ¡ , 6 ¶ 16
¢ . 4 $ ` P 16
^ . ô l Ó e 17
6 . ¡ ´ 17

ABI Prism“ 7900HT ø ð › G h PCR ® Å \ Í · Ù . & *

1. 开 机

Windows NT Administrator
7900 7900HT
2 SDS

2. 新建文件

File → New Assay Absolute
Quantification Allelic Discrimination Container
96 384 Template
Barcode
OK

3. 填样品表

Detector Tools → Detector Manager New
Copy to Plate Document

4. 循环参数

Instrument Thermal profile PCR
Add A Dissociation Stage
SYBR Green I

5. 保存文件

6. 启动 PCR

Instrument Open/Close
Open/Close Start
Remain Time

7. 数据分析

Analyze Result

Export

ABI Prism“ 7900HT ø ð › G h PCR ® Å \ Í · ‡ s G h

ABI Prism“ 7900HT PCR

一、 开 机

10
105 ¢ 105 ¢
PCR

1.
2.
3.
4. 7900HT 2

二、 新建文件

启动软件

1. SDS Start → Programs → Applied Biosystems → SDS 2.1 → SDS 2.1 SDS
2. SDS Enterprise Database OK

新建文件

3. File → New
4. Assay Absolute Quantification (Standard Curve) ( ) Container 96 384 Template Blank Template
5. Barcode
6. OK

三、 探针设置

新建探针

1. SDS Tools → Detector Manager Detector Manager

2. (Detector) Detector Manager
New
3. Add Detector Name
GAPDH RNase P
4. ( ) Description 32
5. Reporter Dye Quencher Dye FAM VIC TaqMan
TAMRA MGB None
6. Color OK
7. ( ) Notes 200
8. OK Detector Manager

9. 1-8

复制探针文件

1. Detector Manager
Ctrl Copy to Plate Document
Well Inspector
2. Done Detector Manager

应用探针

1.
2. Well Inspector Use

3. 1-2

设置样品类型

1. Ctrl Shift
2. Well Inspector Task
NTC Unknown Standard
Quantity DNA Enter

四、 参数设置

1. SDS Instrument
2. 9600 Emulation 9600 Emulation SDS
7900HT 7700
3. PCR
7900HT 50 ℃ 2 min UNG UNG
PCR PCR
UNG 95 ℃ 10 min Taq
UNG Taq 40 95 ℃ 15
sec 60 ℃ 1 min PCR
x /

x

Add Hold Add Cycle Add Step

x Delete Step

x Add A Dissociation Stage 注 意

SYBR Green I

x Auto Increment 1

4. Data Collection PCR

5. PCR 96 50 µL 384 10 µL
2 µL 96 25 µL 384 5 µL

6. ABI PCR TaqMan Universal PCR Master Mix SYBR Green PCR Master Mix (Passive Reference) ROX None

五、 填样品表

（可选）保存为模板

1. File → Save As File →