

**QUALITY ASSURANCE/QUALITY CONTROL WORKSHEET  
DEPARTMENT OF FORENSIC SCIENCE  
THERMAL CYCLER 9700 DIAGNOSTIC TESTS**

**Instrument Name:** \_\_\_\_\_

ANALYST \_\_\_\_\_ DATE \_\_\_\_\_

PROBE SERIAL # \_\_\_\_\_

PROBE EXPIRATION DATE \_\_\_\_\_

A. **Calibration Verification:** Setpoint Value (Well A6) 85°C \_\_\_\_\_ 45°C \_\_\_\_\_

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PASSED \_\_\_\_\_ FAILED \_\_\_\_\_

B. **Temperature Non-Uniformity:**

Setpoint	94°C	37°C
A1		
A12		
C4		
C9		
F4		
F9		
H1		
H12		

TNU at 94°C \_\_\_\_\_

TNU at 37°C \_\_\_\_\_

PASSED \_\_\_\_\_ FAILED \_\_\_\_\_

C. **System Performance Diagnostics:** Rate and Cycle test

1. Cool and Heat Rate Test

Heating rate: \_\_\_\_\_ °C/s

Cooling rate: \_\_\_\_\_ °C/s

2. Cycle Performance

Average Cycle Time: \_\_\_\_\_ sec

Cycle Time STD: \_\_\_\_\_ sec

PASSED \_\_\_\_\_ FAILED \_\_\_\_\_

PASSED \_\_\_\_\_ FAILED \_\_\_\_\_