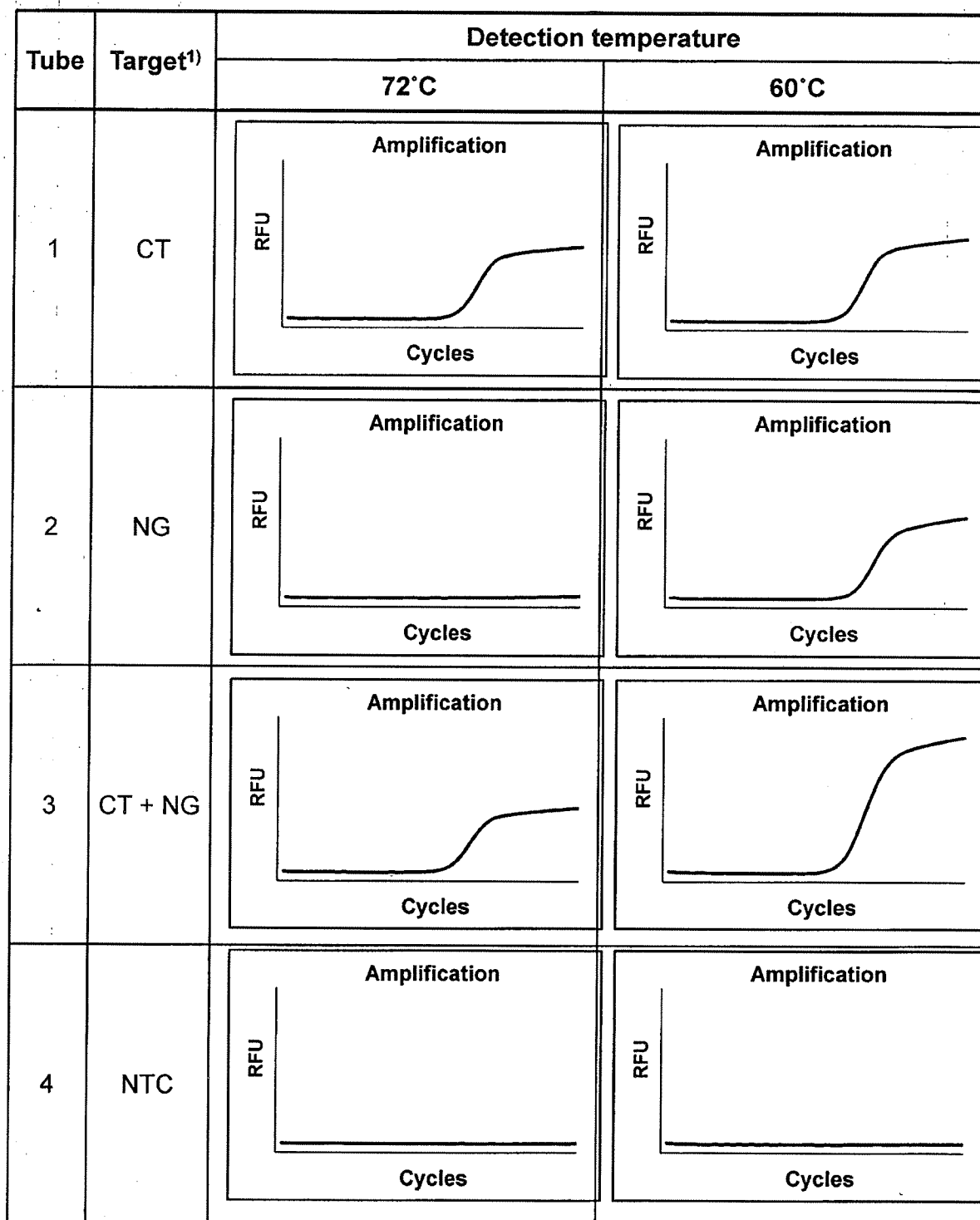


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Fig. 1A

¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

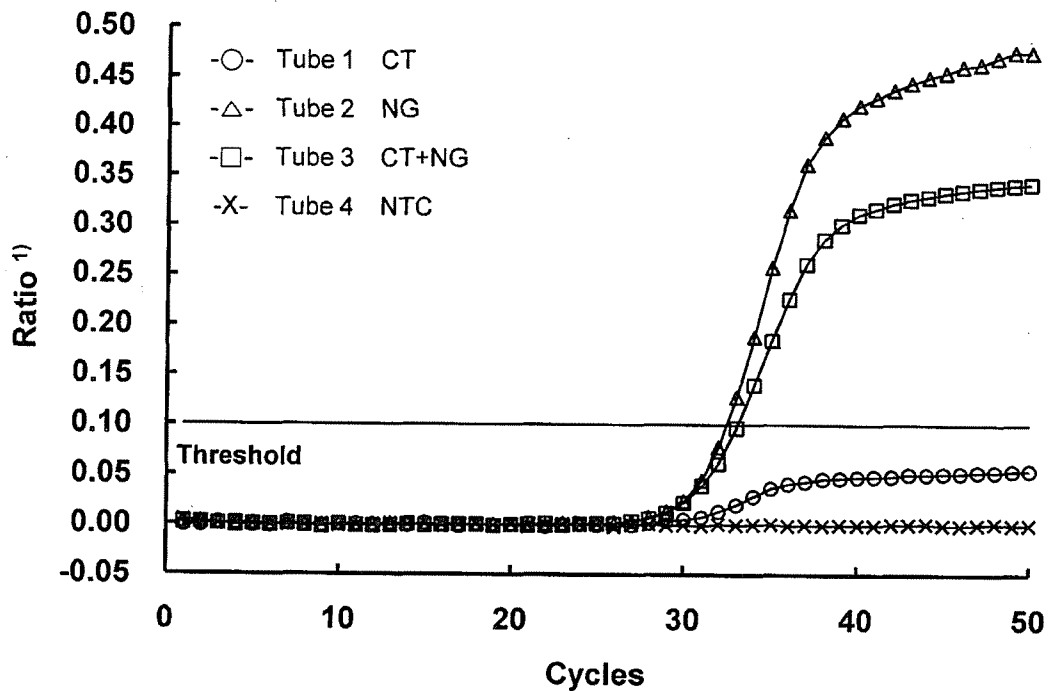
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Fig. 1B

Tube	Target ¹⁾	End-RFU ²⁾		End-Ratio ³⁾	Threshold ⁴⁾	Result for NG
		72°C	60°C			
1	CT	1595	1839	1.2	1.5	-
2	NG	48.7	1787	36.7		+
3	CT + NG	1454	3062	2.1		+
4	NTC	3.41	2.33	0.7		-

- 1) Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
- 2) End-RFU represents relative fluorescence units at 50th cycle.
- 3) End-Ratio represents the ratio of End-RFU at 60°C to End-RFU at 72°C.
- 4) Threshold is a threshold value for distinguishing the presence or absence of NG.

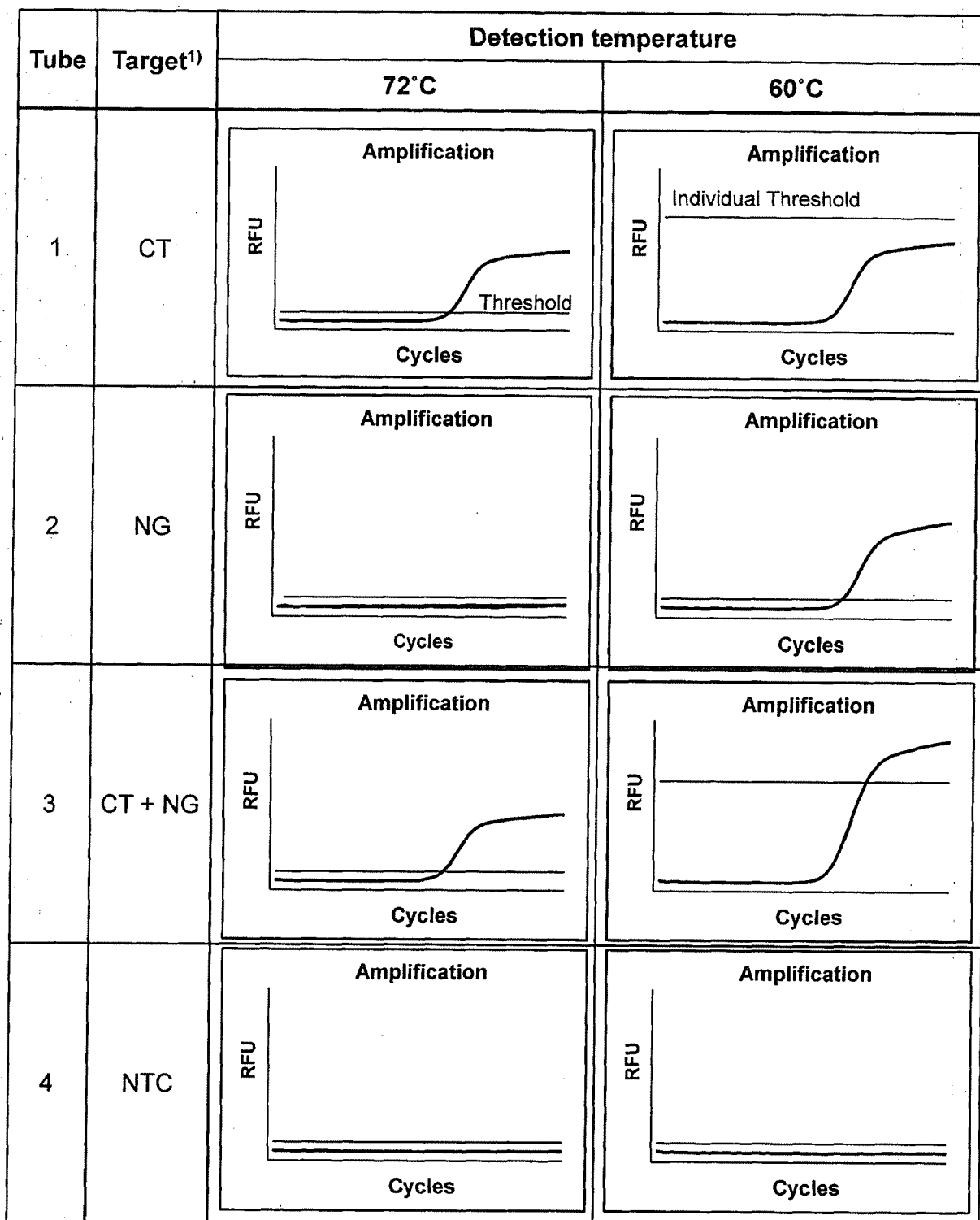
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Fig. 1C

Tube	Target ²⁾	Threshold ³⁾	C _t value for NG
1	CT	0.10	-
2	NG		32.90
3	CT + NG		33.18
4	NTC		-

- 1) Ratio represents the ratio of RFU at 60°C to RFU at 72°C at each cycle.
 2) Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
 3) Threshold is a threshold value for distinguishing the presence or absence of NG.

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Fig. 1D

¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

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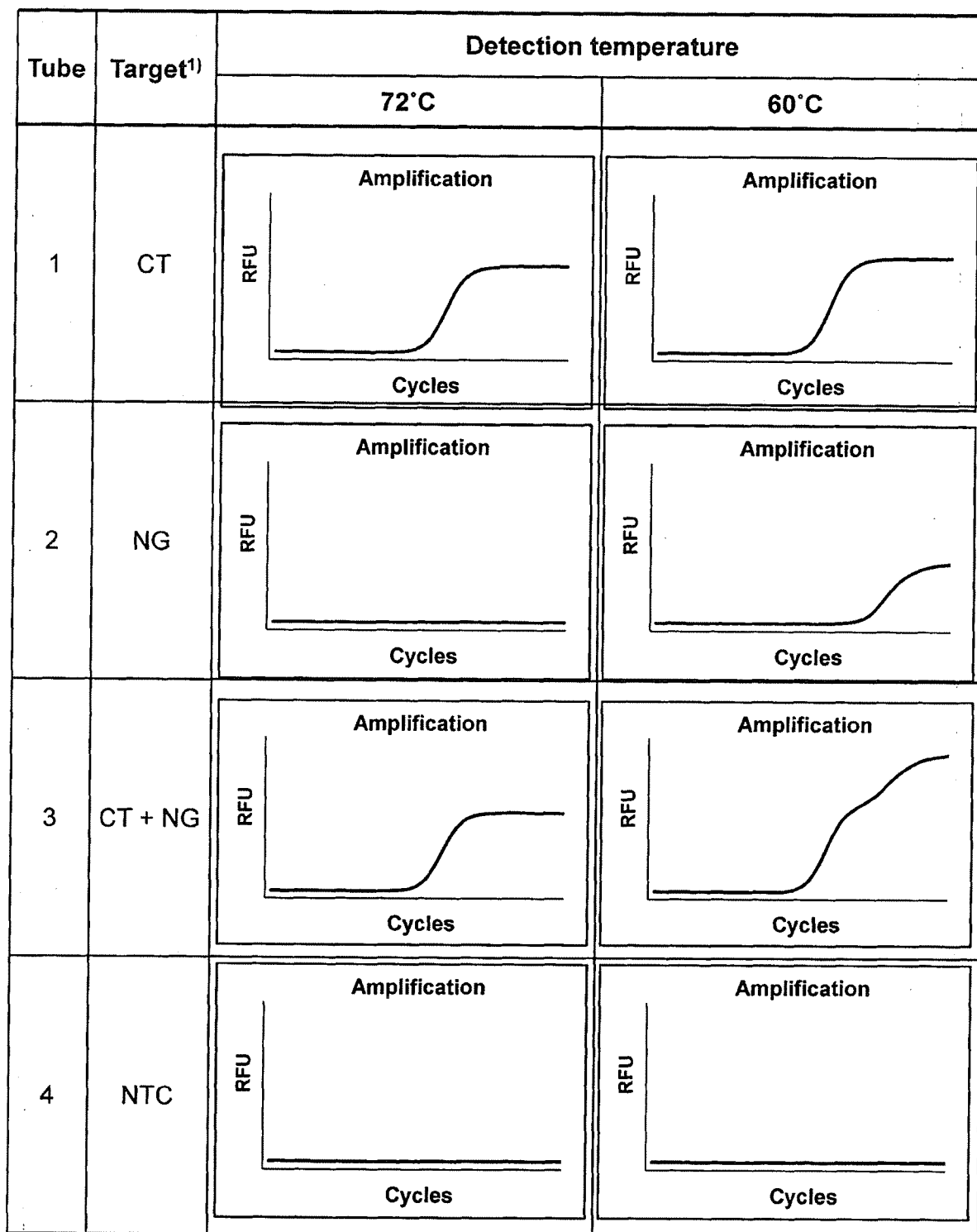
Fig. 1E

Tube	Target ¹⁾	NG (60°C)	
		Individual Threshold ²⁾	C _t value
1	CT	2393	-
2	NG	200	31.32
3	CT + NG	2181	35.83
4	NTC	200	-

¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

²⁾ Individual threshold for the signal at 60°C is a threshold value for distinguishing the presence or absence of NG in each tube.

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Fig. 2A

¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

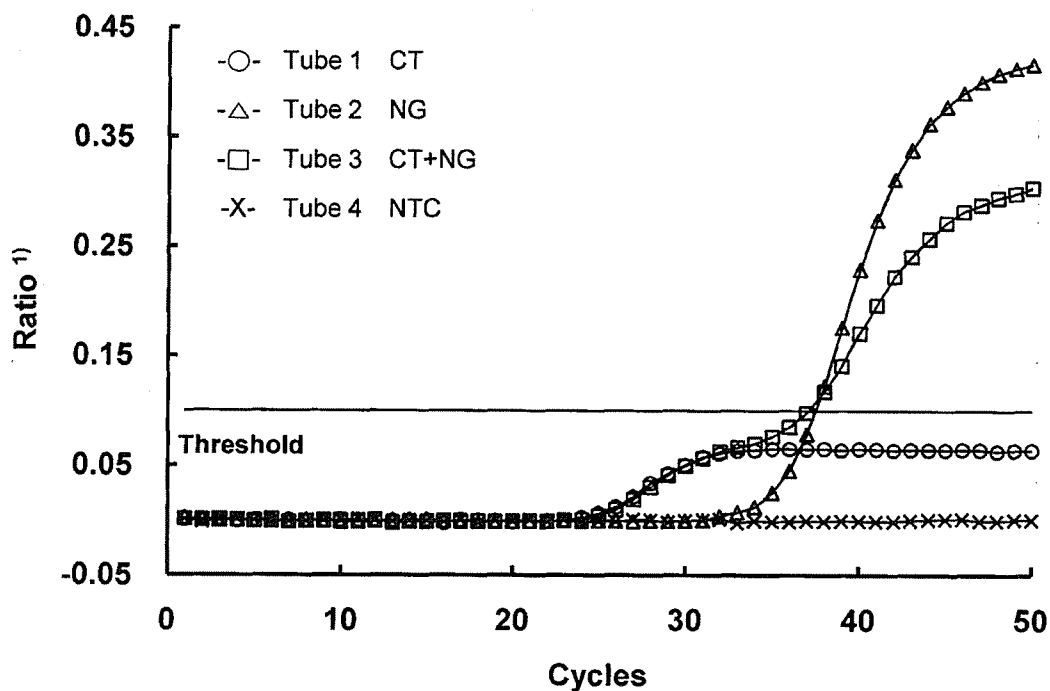
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Fig. 2B

Tube	Target ¹⁾	End-RFU ²⁾		End-Ratio ³⁾	Threshold ⁴⁾	Result for NG
		72°C	60°C			
1	CT	2172	2413	1.1	1.2	-
2	NG	1.18	1508	1278.0		+
3	CT + NG	2030	3572	1.8		+
4	NTC	1.36	1.35	1.0		-

- 1) Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
- 2) End-RFU represents relative fluorescence units at 50th cycle.
- 3) End-Ratio represents the ratio of End-RFU at 60°C to End-RFU at 72°C.
- 4) Threshold is a threshold value for distinguishing the presence or absence of NG.

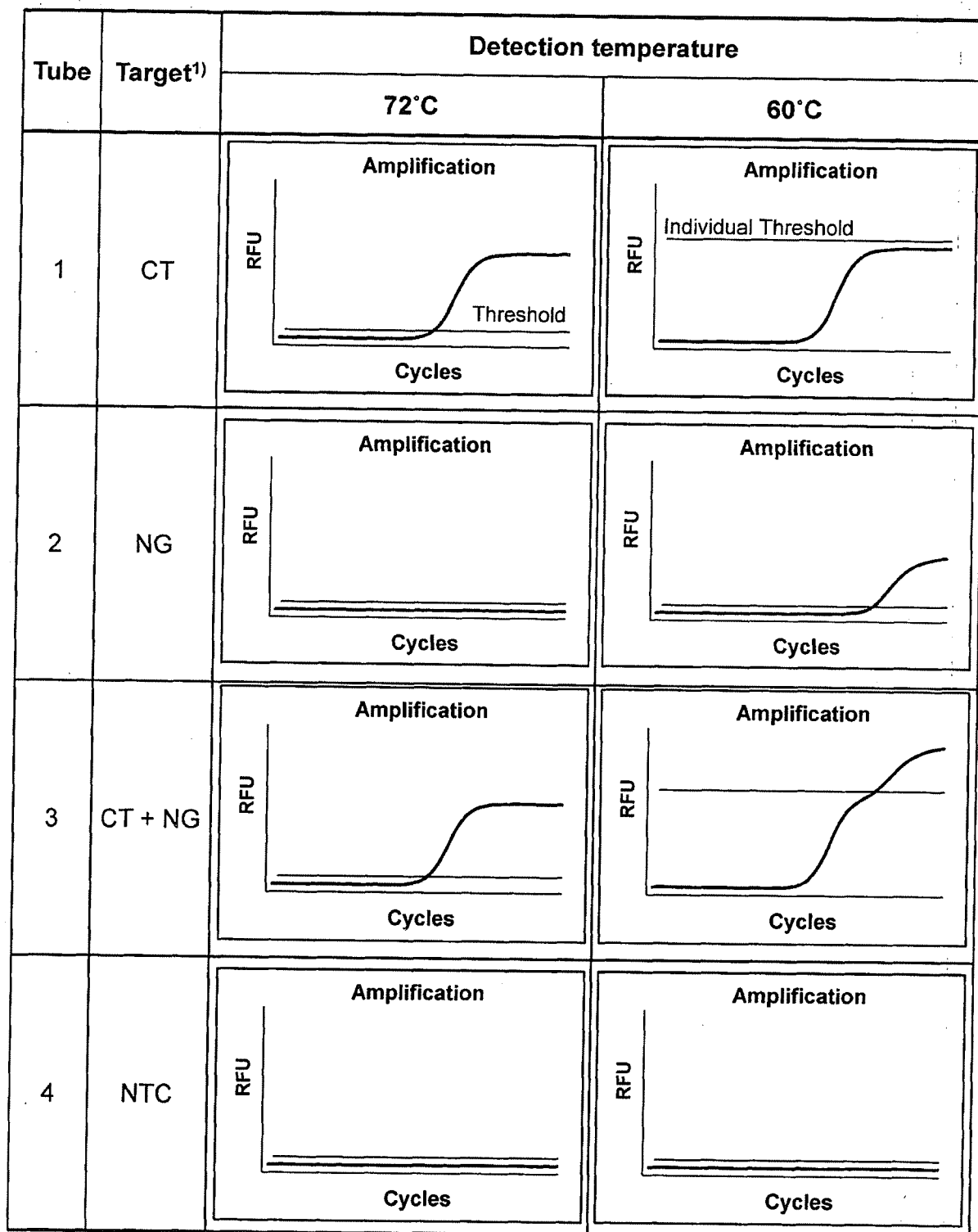
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Fig. 2C

Tube	Target ²⁾	Threshold ³⁾	C _t value for NG
1	CT	0.10	-
2	NG		37.88
3	CT + NG		37.20
4	NTC		-

- 1) Ratio represents the ratio of RFU at 60°C to RFU at 72°C at each cycle.
- 2) Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
- 3) Threshold is a threshold value for distinguishing the presence or absence of NG.

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Fig. 2D

¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

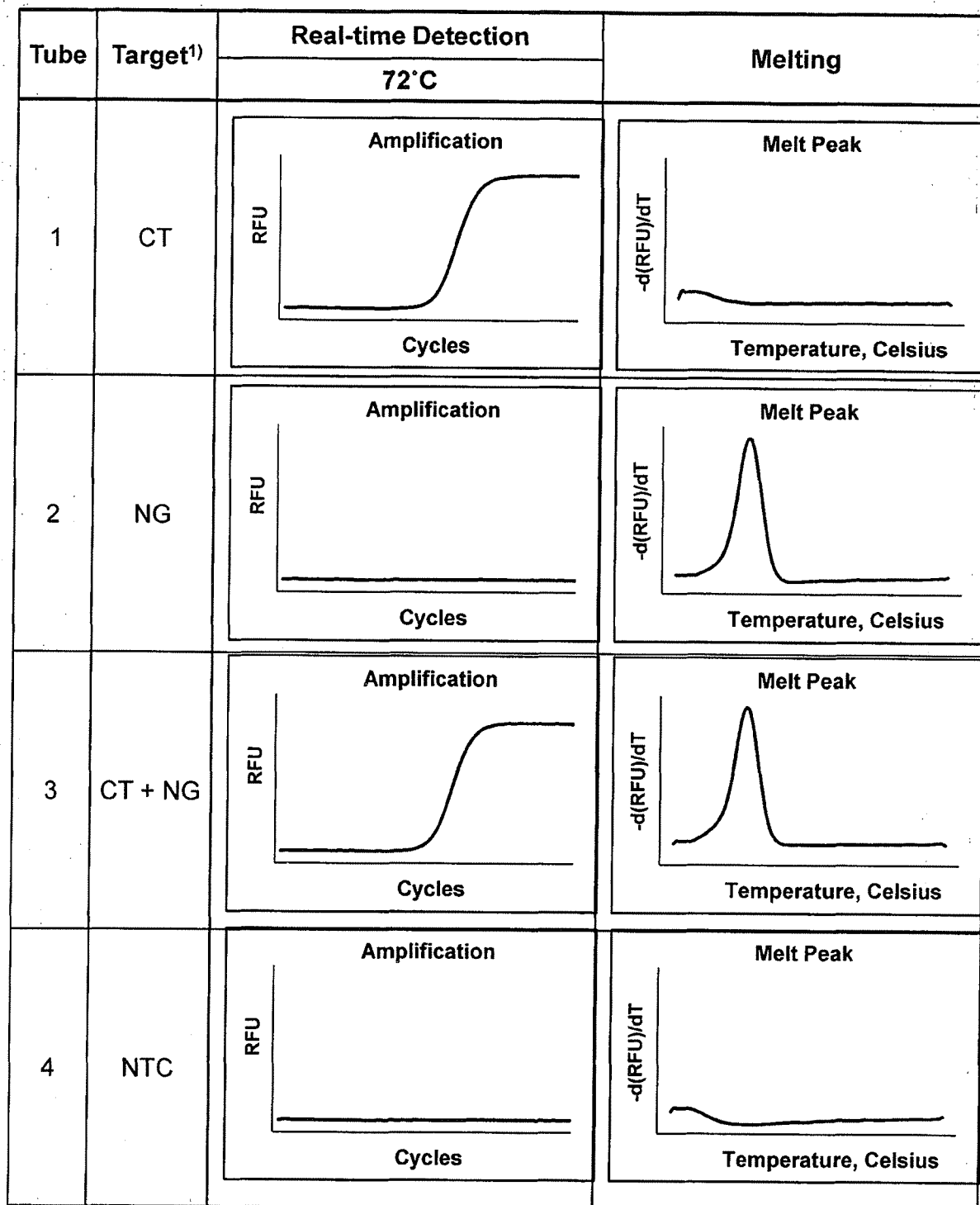
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Fig. 2E

Tube	Target ¹⁾	NG (60°C)	
		Individual Threshold ²⁾	C _t value
1	CT	2606	-
2	NG	200	36.21
3	CT + NG	2436	37.07
4	NTC	200	-

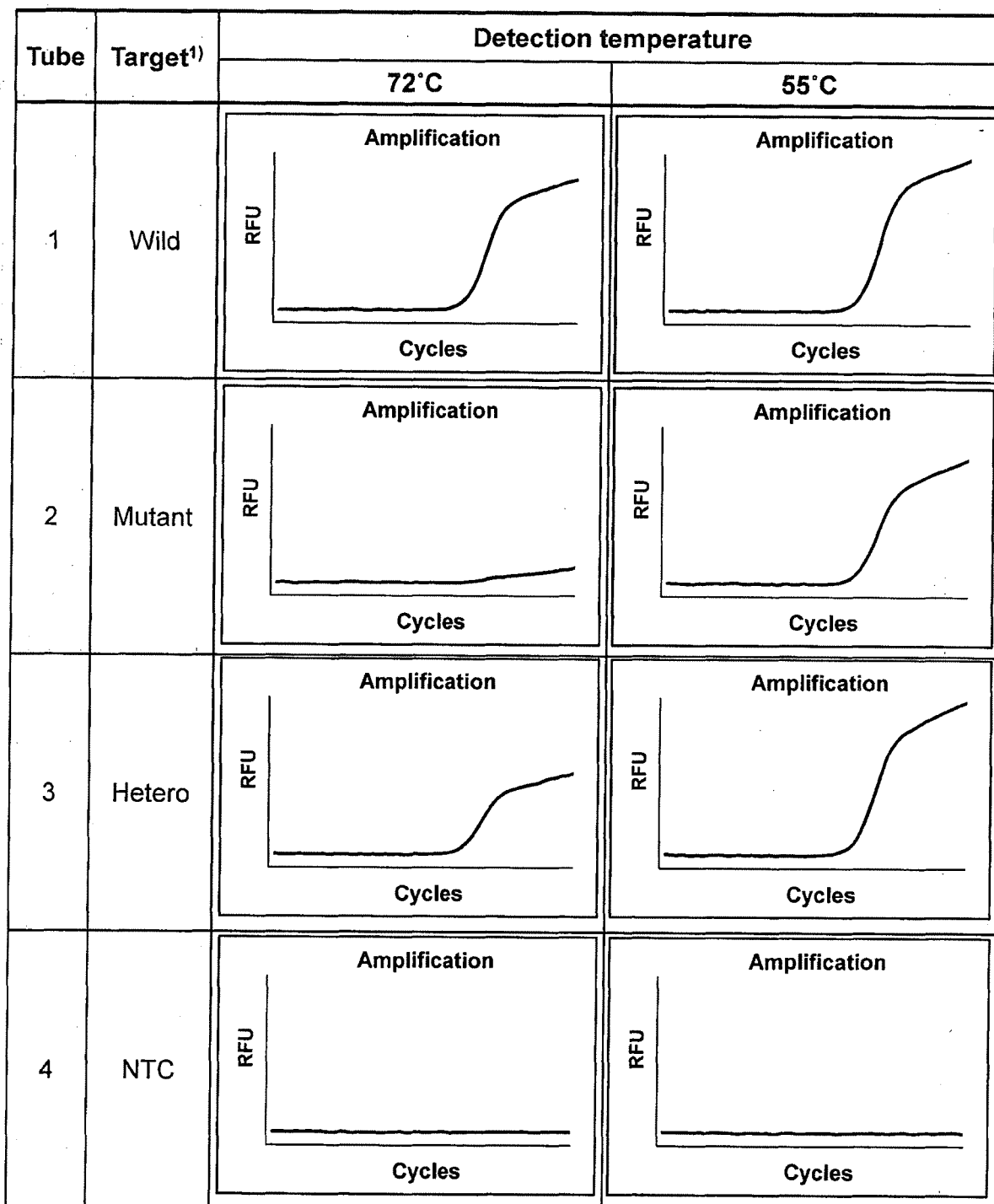
- ¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
- ²⁾ Individual threshold for the signal at 60°C is a threshold value for distinguishing the presence or absence of NG in each tube.

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Fig. 3

¹⁾ Target is genomic DNA of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

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Fig. 4A

¹⁾ Target is human genomic DNA of wild, mutant, and hetero-type MTHFR (C677T).
NTC represents No Target Control.

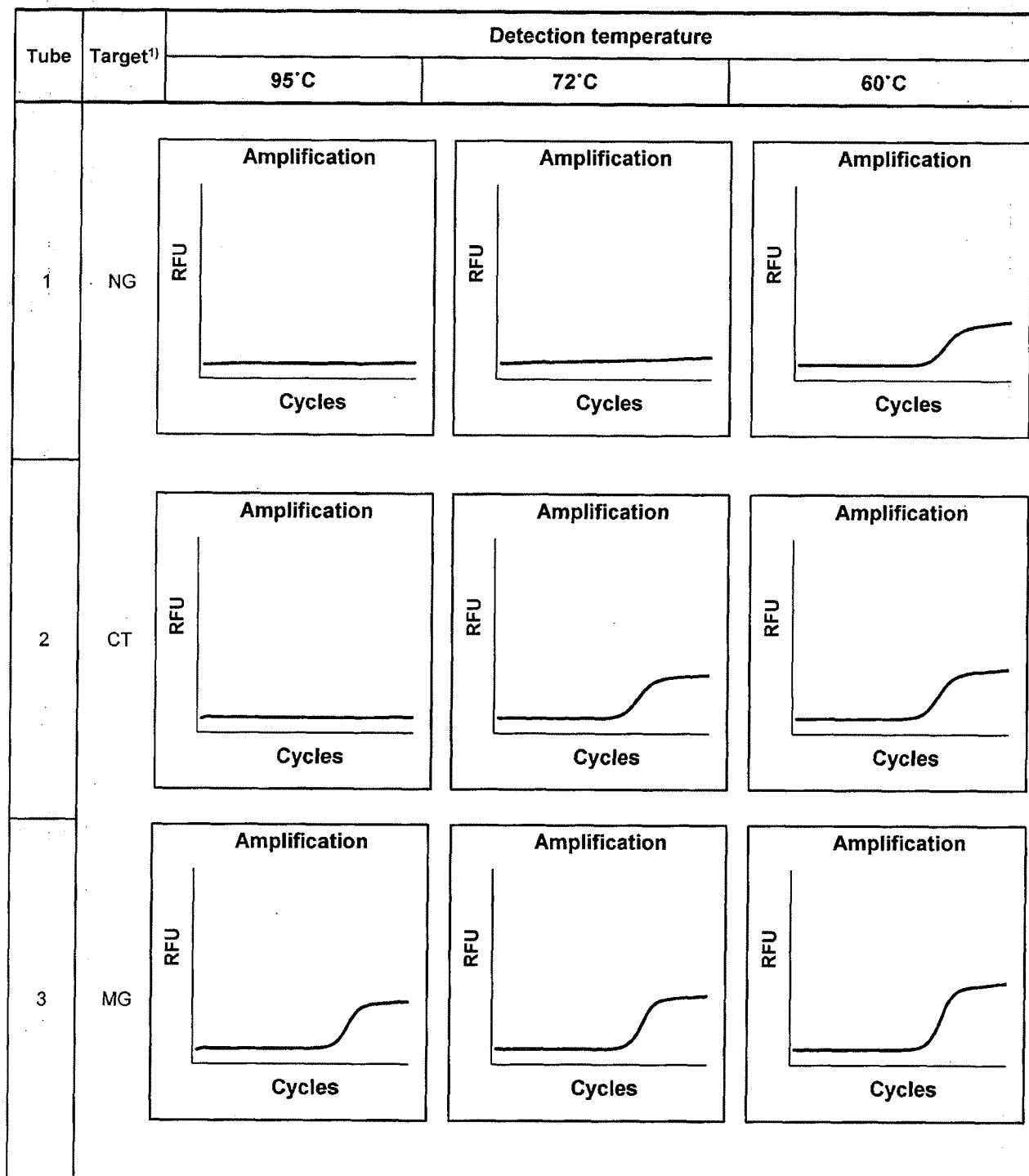
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Fig. 4B

Tube	Target ¹⁾	End-RFU ²⁾		End-Ratio ³⁾
		55°C	72°C	
1	Wild-type	1164	1001	1.2
2	Mutant-type	953	117	8.1
3	Hetero-type	1172	621	1.9
4	NTC	1.56	1.58	1.0

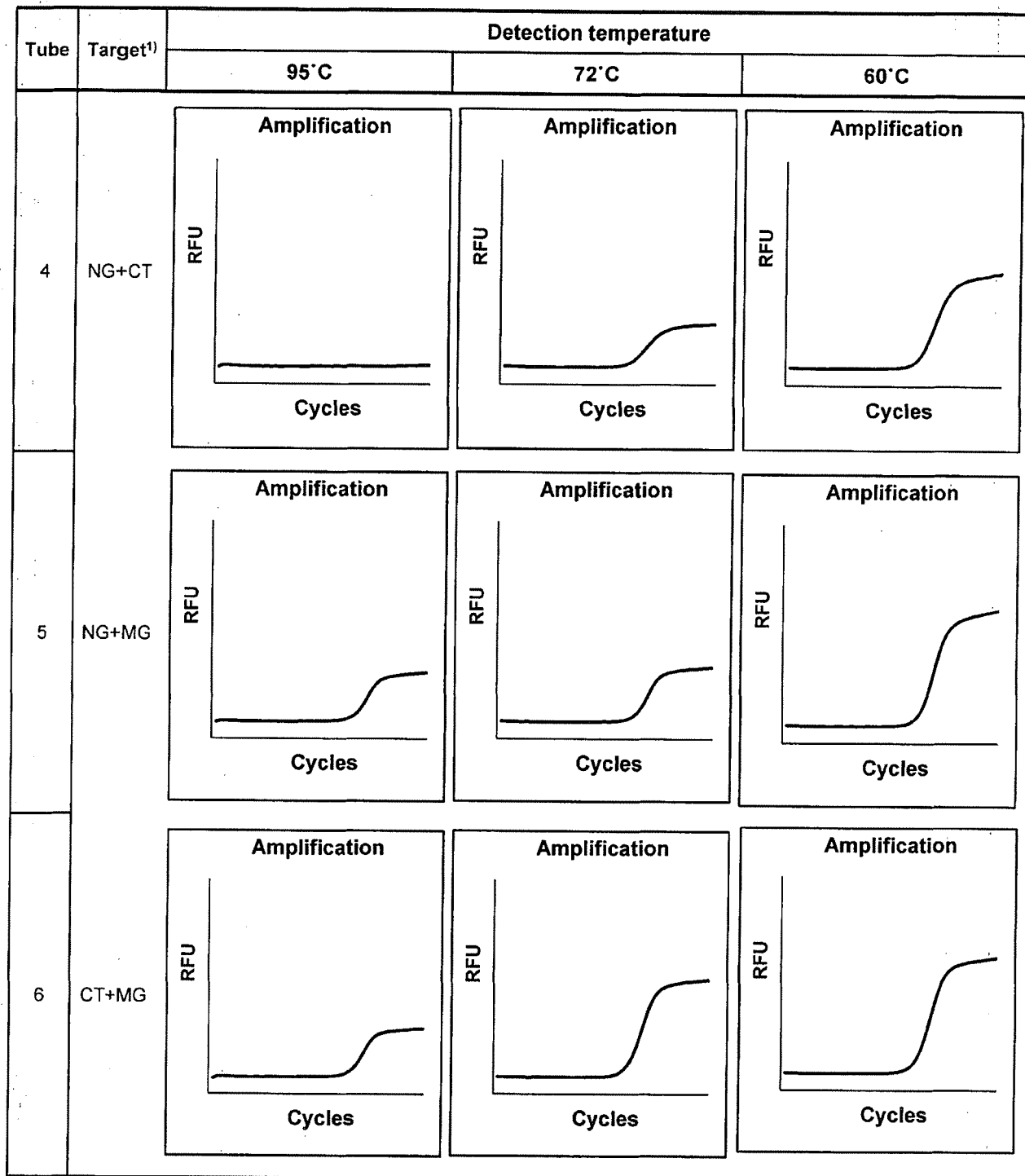
- 1) Target is human genomic DNA of wild, mutant, and hetero-type MTHFR (C677T). NTC represents No Target Control.
- 2) End-RFU represents relative fluorescence units at 50th cycle.
- 3) End-Ratio represents the ratio of End-RFU at 55°C to End-RFU at 72°C.

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Fig. 5A

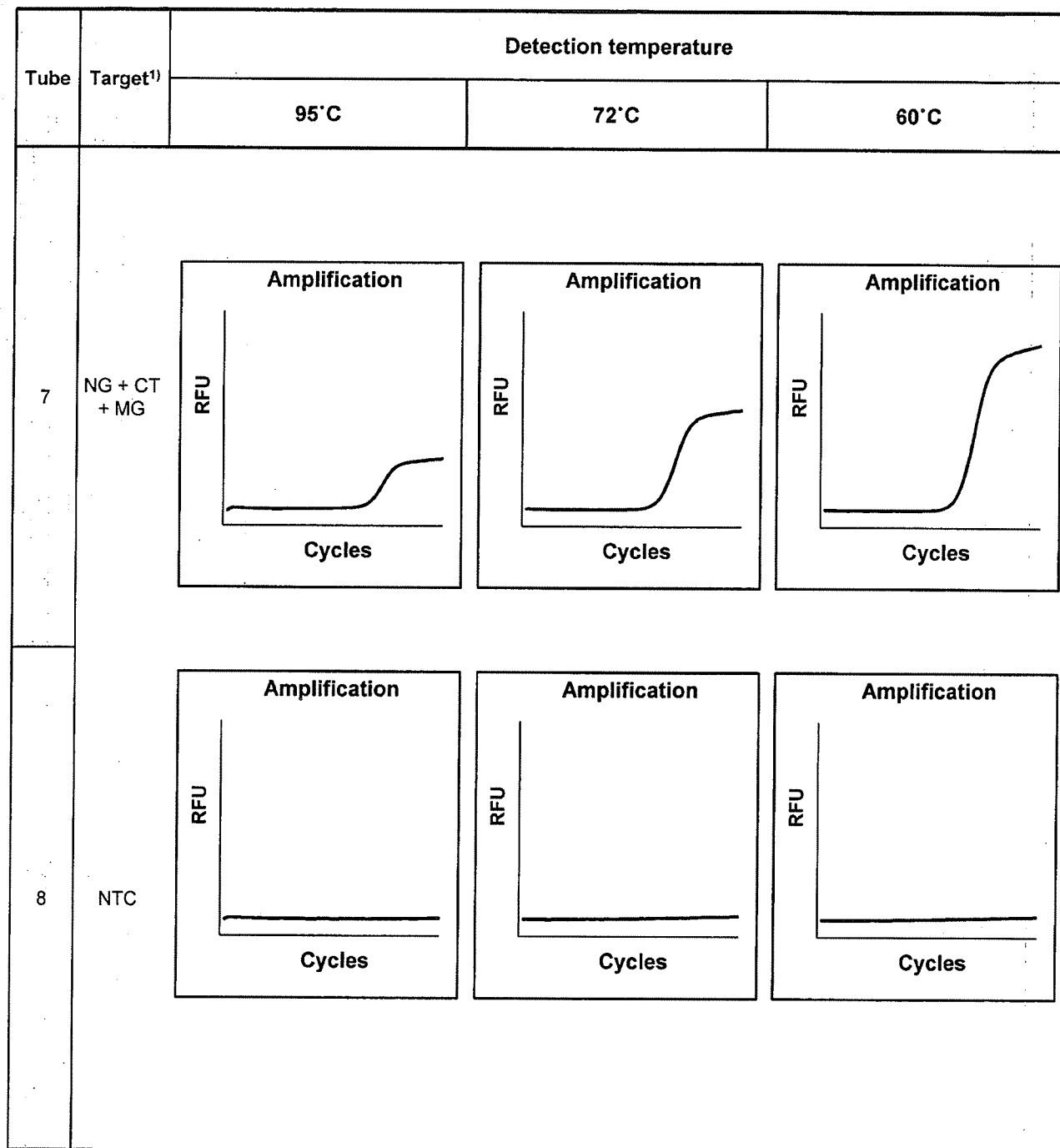
¹⁾ Target is genomic DNA of *Mycoplasma genitalium* (MG), *Chlamydia trachomatis* (CT), and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

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Fig. 5B

¹⁾ Target is genomic DNA of *Mycoplasma genitalium* (MG), *Chlamydia trachomatis* (CT), and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

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Fig. 5C

¹⁾ Target is genomic DNA of *Mycoplasma genitalium* (MG), *Chlamydia trachomatis* (CT), and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.

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Fig. 5D

Tube	Target ¹⁾	End-RFU ²⁾		End- Δ RFU ³⁾	Threshold ⁴⁾	Result for CT
		95°C	72°C			
1	NG	39	283	244	300	-
2	CT	23	1687	1664		+
3	MG	1843	2083	240		-
4	NG+CT	56	1457	1401		+
5	NG+MG	1721	1918	197		-
6	CT+MG	1714	3457	1743		+
7	NG+CT+MG	1792	3535	1743		+
8	NTC	26	125	99		-

- 1) Target is genomic DNA of *Mycoplasma genitalium* (MG), *Chlamydia trachomatis* (CT), and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
- 2) End-RFU represents relative fluorescence units at 50th cycle.
- 3) End- Δ RFU represents the value obtained by subtracting the RFU at 95°C from that at 72°C
- 4) Threshold is a threshold value for distinguishing the presence or absence of CT.

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Fig. 5E

Tube	Target ¹⁾	End-RFU ²⁾		End- Δ RFU ³⁾	Threshold ⁴⁾	Result For NG
		72°C	60°C			
1	NG	283	1711	1428	800	+
2	CT	1687	1937	250		-
3	MG	2083	2594	511		-
4	NG+CT	1457	3226	1769		+
5	NG+MG	1918	4023	2105		+
6	CT+MG	3457	4121	664		-
7	NG+CT+MG	3535	5896	2361		+
8	NTC	125	134	9		-

- 1) Target is genomic DNA of *Mycoplasma genitalium* (MG), *Chlamydia trachomatis* (CT), and *Neisseria gonorrhoeae* (NG). NTC represents No Target Control.
- 2) End-RFU represents relative fluorescence units at 50th cycle.
- 3) End- Δ RFU represents the value obtained by subtracting the RFU at 72°C from that at 60°C
- 4) Threshold is a threshold value for distinguishing the presence or absence of NG.