Example

CFX96 （BIO-RAD）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

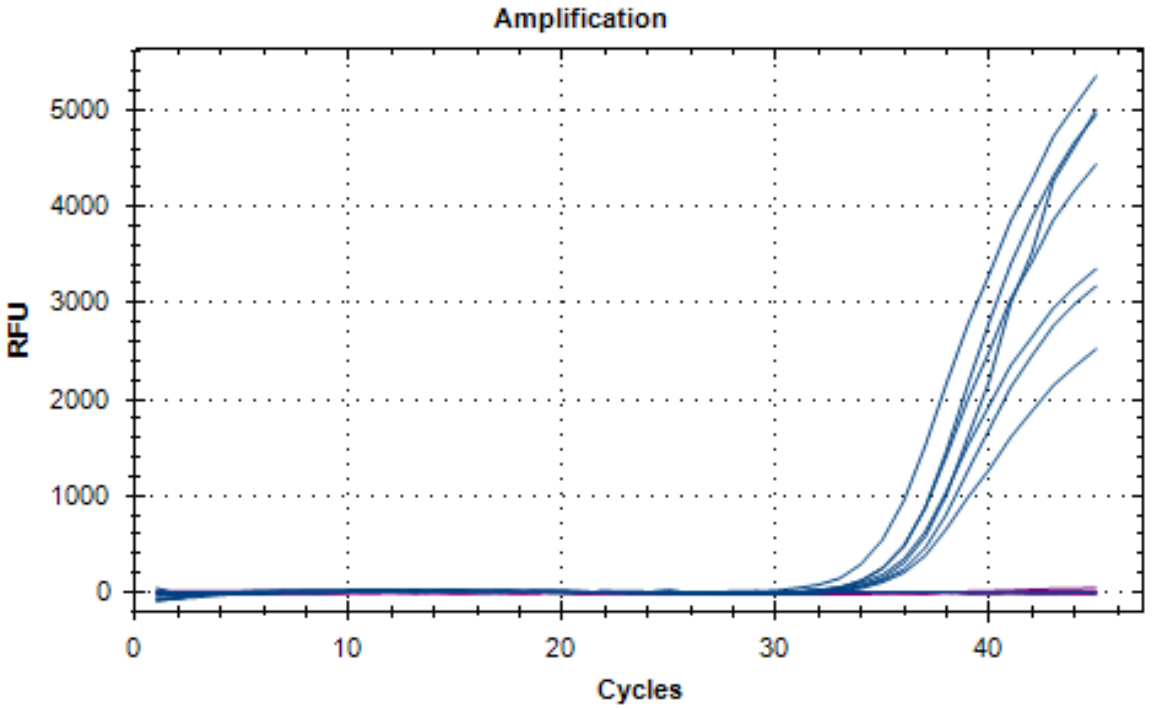
95℃ 10sec

98℃ 3sec
60℃ 1sec] X 45 cycle

Analysis method

2nd derivative max

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	36.24	0.48
Mycoplasma arginini	34.25	0.08
Mycoplasma fermantans	33.53	0.27
Mycoplasma pneumoniae	35.13	0.58
Mycoplasma orale	35.55	0.60
Mycoplasma hyorhinis	34.98	0.13
Mycoplasma salivarium	34.56	0.18
Negative control	0.00	0.00



Example

GVP9600 （SHIMADZU）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

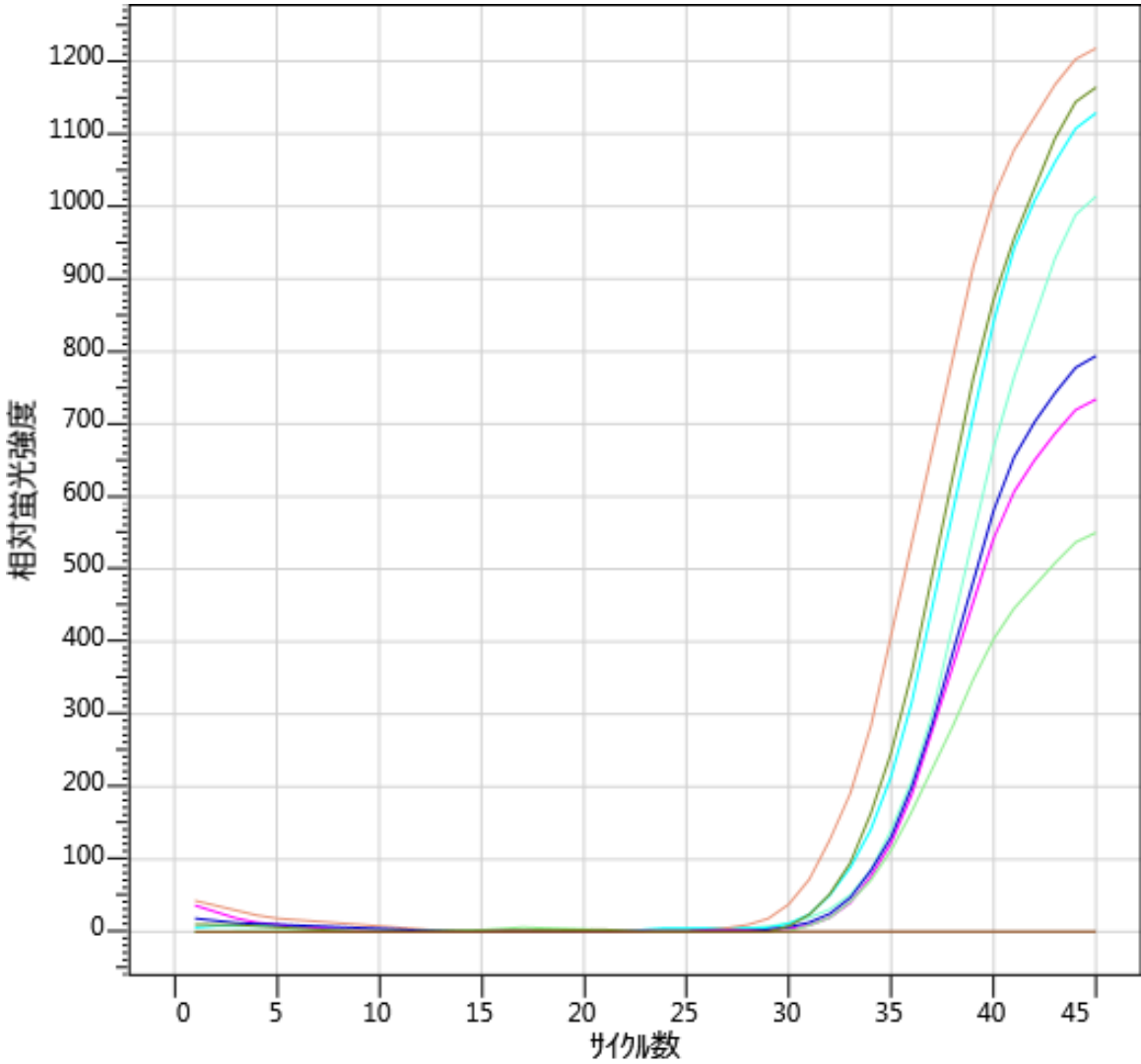
95℃ 10sec

95℃ 5sec
60℃ 5sec] X 45 cycle

Analysis method

2nd derivative max

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	34.68	0.05
Mycoplasma arginini	33.94	0.29
Mycoplasma fermantans	31.91	0.05
Mycoplasma pneumoniae	34.62	0.88
Mycoplasma orale	35.07	0.10
Mycoplasma hyorhinis	34.77	0.36
Mycoplasma salivarium	32.99	0.44
Negative control	0.00	0.00



Example

LightCycler96 （Roche）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

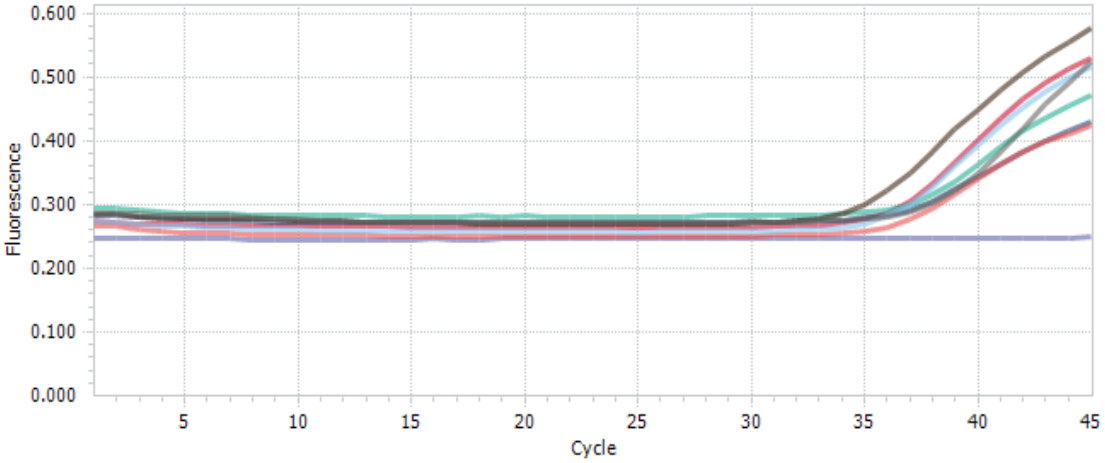
95℃ 10sec

95℃ 5sec
60℃ 5sec] X 45 cycle

Analysis method

Single Threshold

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	34.29	0.93
Mycoplasma arginini	34.70	0.29
Mycoplasma fermantans	33.58	0.37
Mycoplasma pneumoniae	35.91	0.36
Mycoplasma orale	36.18	0.31
Mycoplasma hyorhinis	36.04	0.34
Mycoplasma salivarium	34.89	0.61
Negative control	0.00	0.00



Example

LightCycler480 （Roche）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

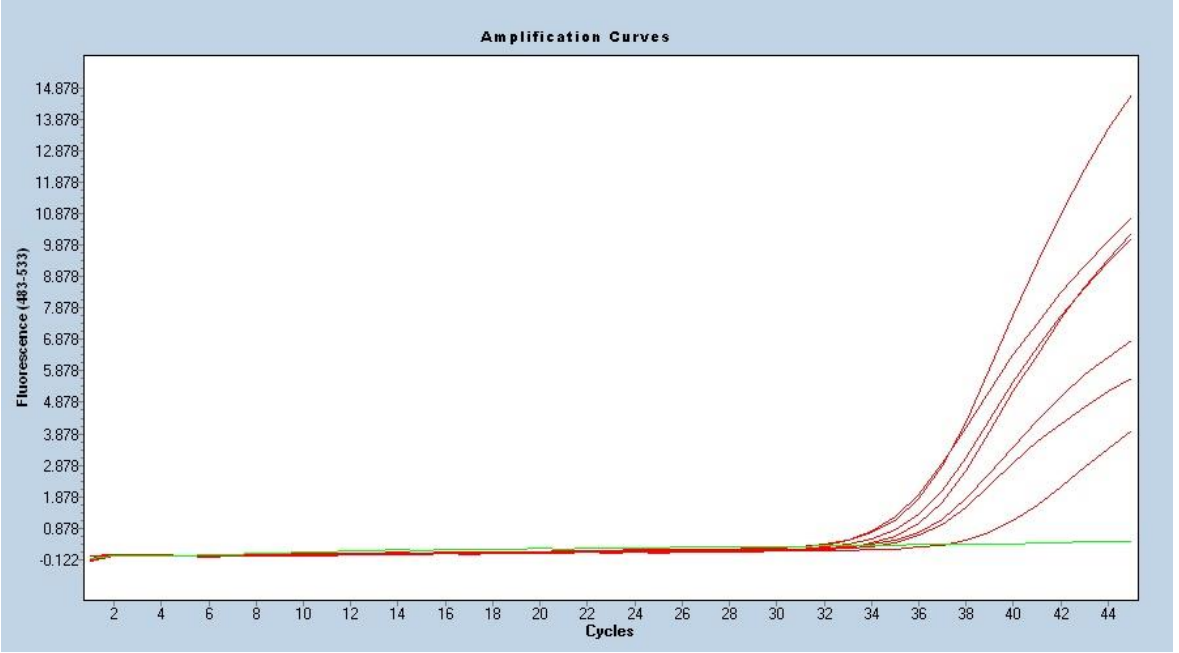
95℃ 10sec

95℃ 5sec
60℃ 5sec] X 45 cycle

Analysis method

2nd derivative max

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	35.72	0.17
Mycoplasma arginini	35.65	0.40
Mycoplasma fermantans	34.72	0.15
Mycoplasma pneumoniae	35.70	0.42
Mycoplasma orale	37.14	1.67
Mycoplasma hyorhinis	36.08	0.39
Mycoplasma salivarium	35.32	0.42
Negative control	0.00	0.00



Example

LightCycler480 （Roche）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

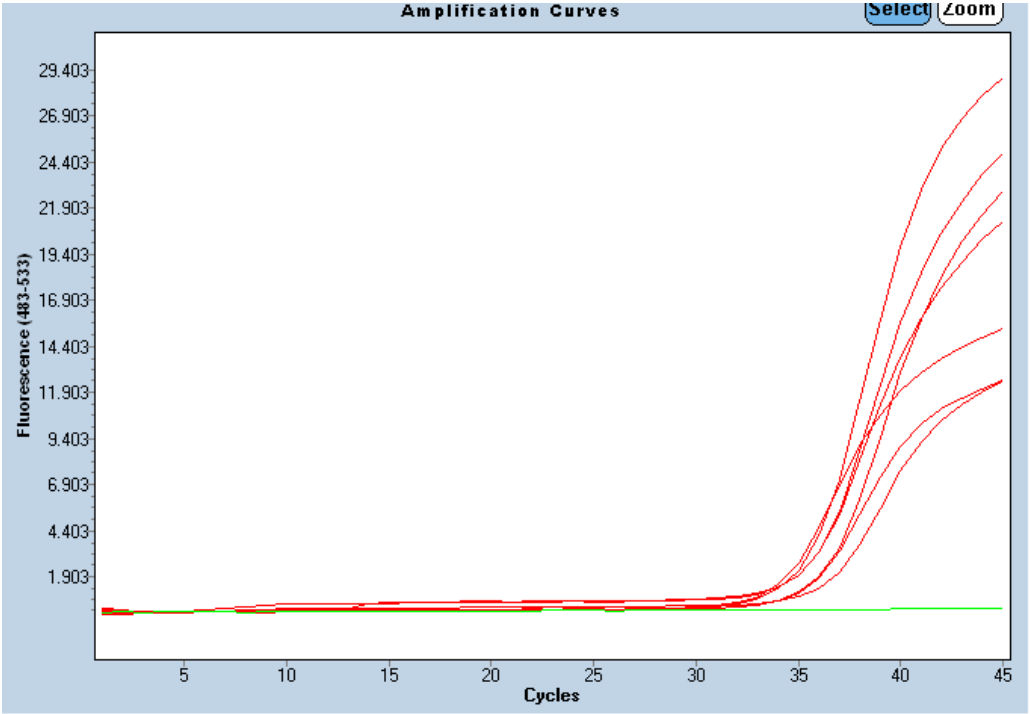
PCR program

95℃ 10sec

95℃ 5sec
60℃ 30sec] X 45 cycle

Analysis method

2nd derivative max



Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	35.09	0.19
Mycoplasma arginini	35.28	0.35
Mycoplasma fermantans	35.01	0.23
Mycoplasma pneumoniae	33.59	0.18
Mycoplasma orale	36.65	0.50
Mycoplasma hyorhinis	35.39	0.21
Mycoplasma salivarium	36.07	0.31
Negative control	0.00	0.00

Example

ABI 7500 FAST （Thermo Fisher Scientific）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

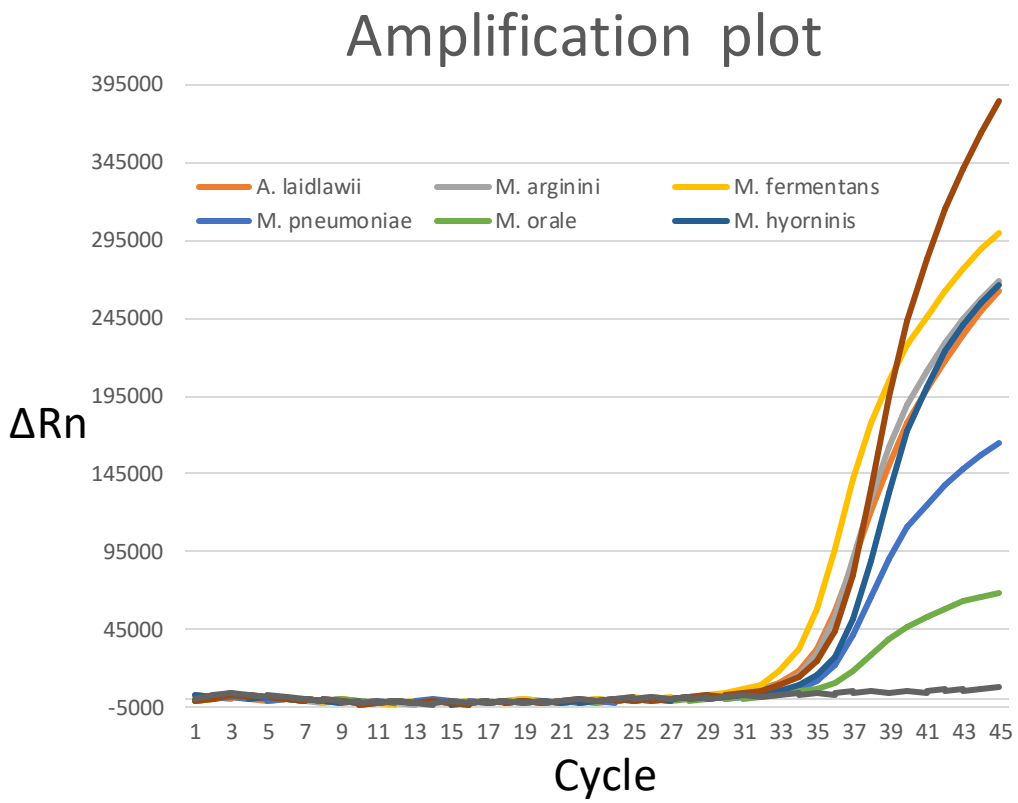
95℃ 10sec

95℃ 5sec
60℃ 25sec] X 45 cycle

Analysis method

Single Threshold

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	32.33	1.40
Mycoplasma arginini	32.61	0.84
Mycoplasma fermantans	31.64	1.00
Mycoplasma pneumoniae	34.29	0.65
Mycoplasma orale	35.17	0.99
Mycoplasma hyorhinis	33.80	0.59
Mycoplasma salivarium	32.78	0.86
Negative control	0.00	0.00



Example

ABI 7500（Thermo Fisher Scientific）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

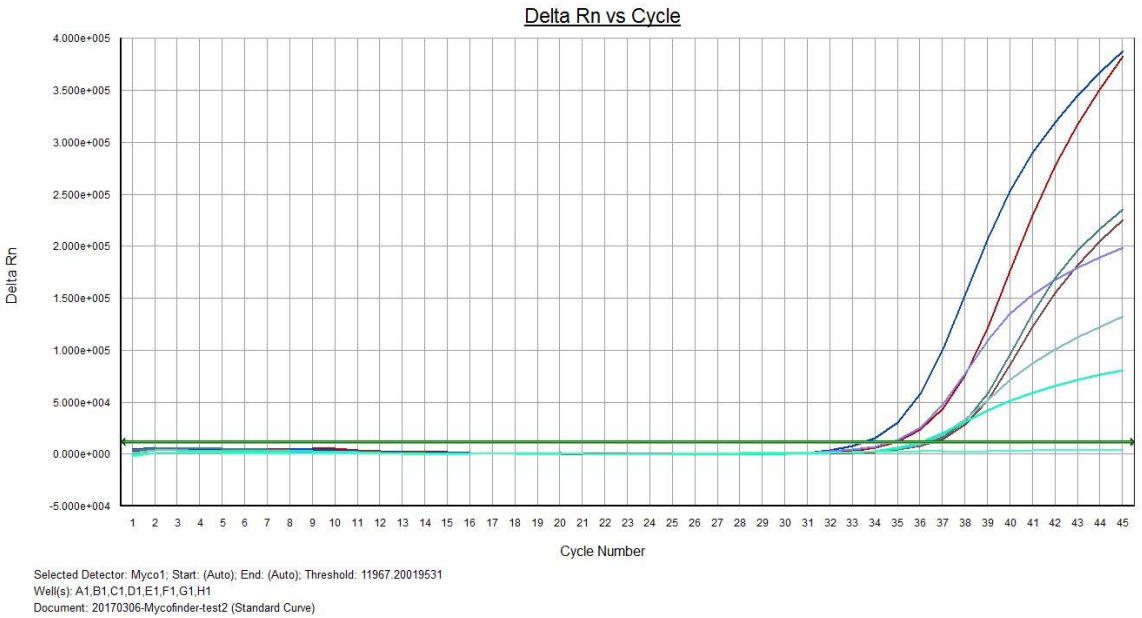
95℃ 10sec

95℃ 5sec
60℃ 32sec] X 45 cycle

Analysis method

Single Threshold

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	34.63	0.26
Mycoplasma arginini	35.14	1.27
Mycoplasma fermantans	33.20	0.32
Mycoplasma pneumoniae	34.62	0.26
Mycoplasma orale	36.05	0.42
Mycoplasma hyorhinis	36.30	0.82
Mycoplasma salivarium	35.72	0.53
Negative control	0.00	0.00



Example

StepOne Plus （Thermo Fisher Scientific）

Sample

Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

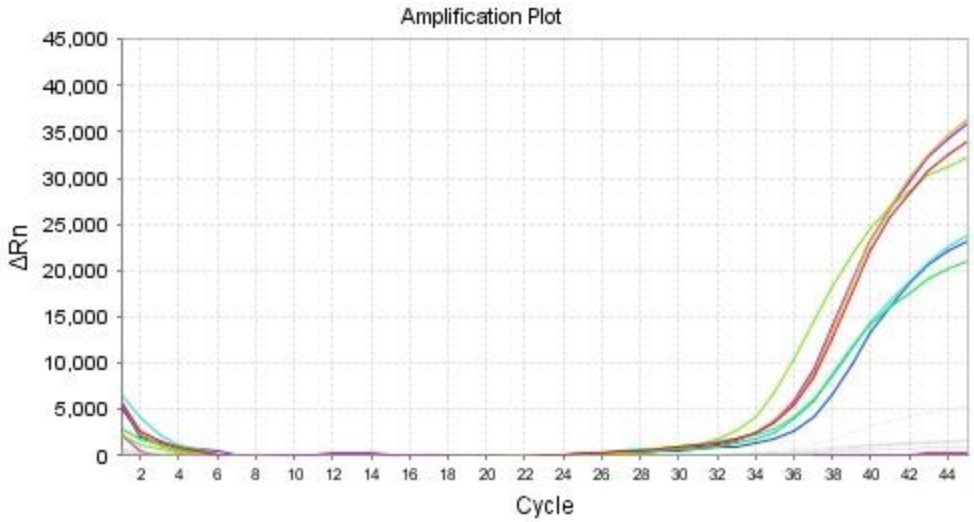
95℃ 10sec

98℃ 3sec
60℃ 10sec] X 45 cycle

Analysis method

Single Threshold

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	35.18	0.18
Mycoplasma arginini	35.07	0.32
Mycoplasma fermantans	34.02	0.16
Mycoplasma pneumoniae	36.18	0.32
Mycoplasma orale	36.46	0.46
Mycoplasma hyorhinis	36.89	0.29
Mycoplasma salivarium	35.34	0.26
Negative control	0.00	0.00



Example

QuantStudio5（Thermo Fisher Scientific）

Sample

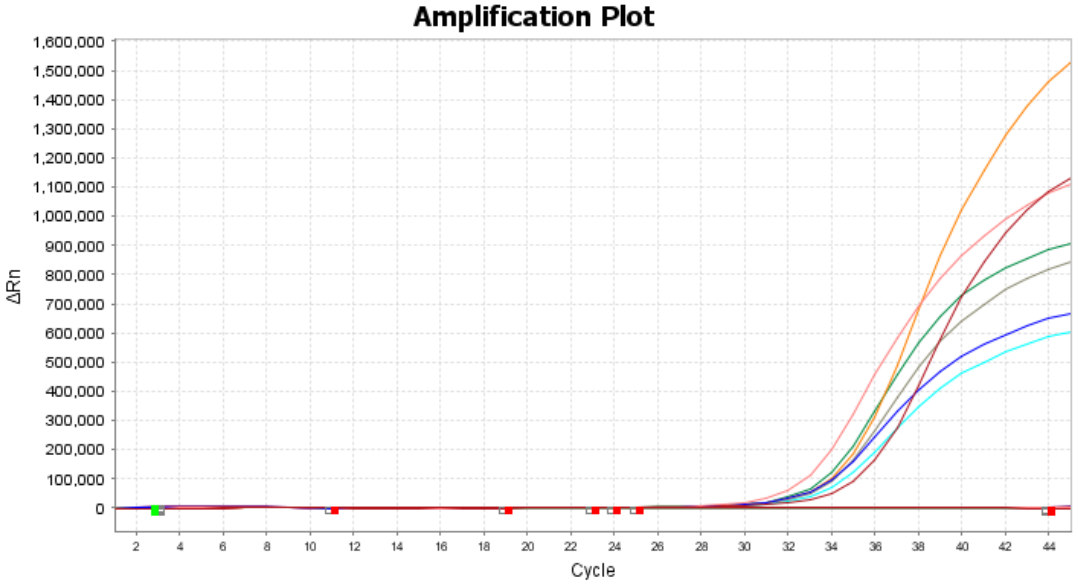
Fifty copies of each of the seven mycoplasma standard DNAs listed in JP 17

PCR program

95℃ 10sec

98℃ 3sec
60℃ 15sec] X 45 cycle

Analysis method

Single Threshold

Sample name	CT Mean (N=3)	CT SD (N=3)
Acholeplasma laidlawii	34.70	0.43
Mycoplasma arginini	32.11	0.33
Mycoplasma fermantans	33.41	0.51
Mycoplasma pneumoniae	33.39	0.19
Mycoplasma orale	33.34	0.26
Mycoplasma hyorhinis	32.73	0.13
Mycoplasma salivarium	33.47	0.24
Negative control	0.00	0.00