BIOMEDUX open innovation for renovation

Small Type Thermocycler with High Performance
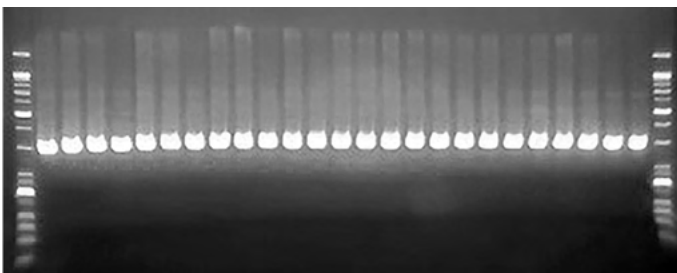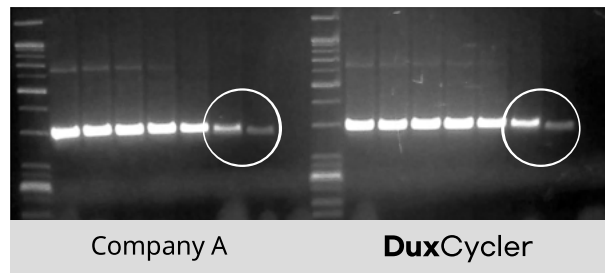
DuxCycler

Examples of amplification results

The images below were taken with **Dux**Geldoc.

[**Dux**Cycler 25 Wells Validation Test]

Lane 1	$1X10^9$ copy/µℓ
Lane 2	$1X10^8$ copy/µℓ
Lane 3	$1X10^7$ copy/µℓ
Lane 4	$1X10^6$ copy/µℓ
Lane 5	$1X10^5$ copy/µℓ
Lane 6	$1X10^4$ copy/µℓ
Lane 7	$1X10^3$ copy/µℓ
Lane 8	Negative control

Company A   **Dux**Cycler

[Comparative Experiment : **Dux**Cycler & Company A]

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Characteristics

1 **Compact and light, saving space.**

Available as a personal amplification device with a compact size of 15cm x 15cm and a light weight of 1.5kg.

2 **Up to 8 DuxCycler connect to 1 operating system.**

Connect and operate on mobile (iPhone, Android) devices as well as PC environments such as Windows, Mac and iOS.

3 **Simple operation(S/W)**

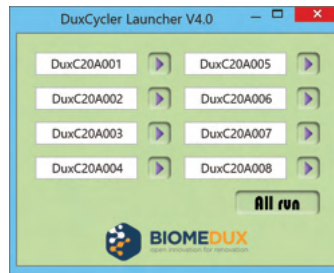Intuitive GUI for easy operation.

Specification

Physical Specification

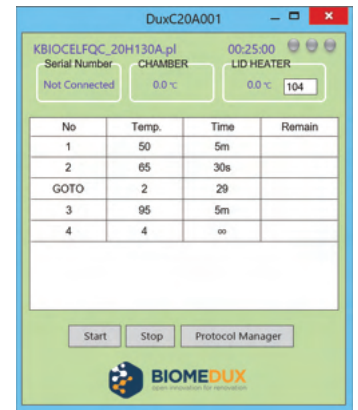| Dimension (W x D x H)	150 x 150 x 150 mm
Weight	2.5 Kg
Chamber well / tube	25 wells / 0.2mL
Input volt / power consumption	110~220V / 120W

Operation Specification

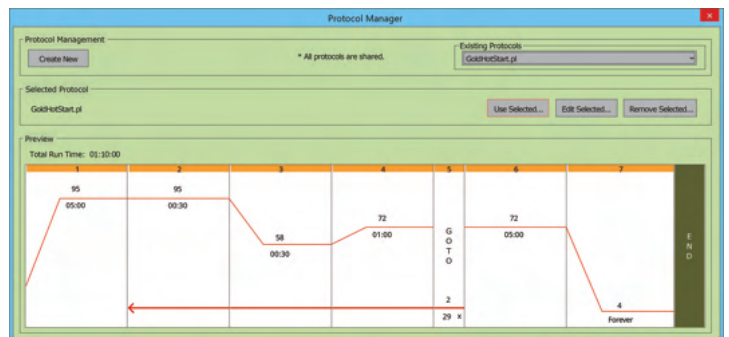| Heating method	Peltier
Cooling method	Peltier / Air cooling
Operation temperature of Chamber well	4℃~100℃
Temperature accuracy / uniformity	± 0.2℃ / ± 0.2℃
Over shoot	< 0.5℃
Ramp rate	2.5℃/sec (heating) 1.5℃/sec (cooling)
Lid temperature	25~110℃
State notice (LED)	Blue: normal operation Red: Failure Green: Waiting

Intuitive GUI

Connecting Screen

Up to eight **Dux**Cyclers can be connected and operated on one operating system.

Status Screen

Enable real-time progress of each device.

Protocol Manager Screen