



THISTLE SCIENTIFIC

Research Today, Change Tomorrow

cycl ϵ r TRI



EZEEcycl ϵ r TRI is a class leading powerful high throughput 48-well gradient thermal cycler



- **EFFORTLESS OPERATION**

- FEATURES A 10.1-INCH, GLOVE-FRIENDLY, SENSITIVE TOUCHSCREEN AND A USER-FRIENDLY COLOUR GRAPHICAL INTERFACE, MAKING PROGRAMMING AND OPERATION INTUITIVE AND EFFORTLESS.



- **TRIPLE BLOCK FLEXIBILITY**

- RUN 1-3 PCR PROTOCOLS AT ONCE, PERFECT FOR MULTI-USER ENVIRONMENTS AND EXPERIMENTS REQUIRING

- **HIGH THROUGHPUT EFFICIENCY**

- MAXIMISE YOUR THROUGHPUT, 3X 48-WELL BLOCKS FOR 0.1/0.2ML TUBE/STRIPTUBES & PLATES



- **FAST GRADIENT OPTIMISATION**

- INDEPENDENT GRADIENTS IN ALL 3 BLOCKS WITH A RANGE BETWEEN 30 - 100°C WITH A MAXIMUM SPAN OF 30°C IN A VERTICAL DIRECTION





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TECHNICAL SPECIFICATION

SAMPLE BLOCK

3 x48 WELL, GRADIENT BLOCK	COMPATIBLE WITH 0.2 ML OR 0.1 ML PCR TUBE, STRIP, NON-SKIRTED, AND SEMI- SKIRTED 48-WELL PLATE
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BLOCK TEMPERATURE

BLOCK TEMPERATURE RANGE	4.0 - 100°C
MAX. HEATING / COOLING RATE	5.0°C/SEC / 3.0°C/SEC
TEMPERATURE ACCURACY	±0.3 °C
TEMPERATURE UNIFORMITY	±0.4 °C
ADJUSTABLE RAMP RATE	Yes, 0.1 - 5.0°C/SEC

GRADIENT TEMPERATURE

GRADIENT DIRECTION	INCREASE IN VERTICAL DIRECTION
GRADIENT TEMPERATURE RANGE	30 - 100°C
GRADIENT TEMPERATURE DIFFERENCE	MAX SPAN 30°C

HEATED LID

TEMPERATURE SETTING RANGE	35 - 130°C OR OFF
TEMPERATURE ACCURACY	± 1.0°C

SOFTWARE

PORTABILITY OF PROTOCOLS	SAVE AND TRANSFER TO ANOTHER EZEECYCLER VIA USB FLASH DRIVE
STORED PROGRAM NO.	>4,000
REGISTERED USER FOLDER NO.	100 SETS
USER FOLDER PASSWORD PROTECTION	YES
RUN STATUS REPORT	YES, HTML OUTPUT AND TRANSFER VIA USB FLASH DRIVE
REAL-TIME TEMP. PROFILE EXPORT	YES, CV OUTPUT AND TRANSFER VIA USB FLASH DRIVE
TOOLS	T _m CALCULATOR, COPY NUMBER CONVERTOR, MASTER MIX PREPARATION WIZARD

GENERAL

DISPLAY	10.1" COLOUR LCD WITH CAPACITIVE TOUCH PANEL
DATA PORT	1 USB A FRONT PORT FOR USB FLASH DRIVE
AUTORESTART AFTER POWER OUTAGE	YES
FOOTPRINT DIMENSIONS H(x W x D)	236 MM x 356 MM x 362 MM
WEIGHT	13 KG
POWER SUPPLY	AC 100- 240 V, 50/60 Hz, 1000 W
CERTIFICATION	CE

- **ADVANCED RAMP RATE CONTROL**

ADJUST RAMP RATES FROM 0.1 TO 5.0°C /SEC, ACCOMMODATING VARIOUS ASSAYS INCLUDING CRISPR-RELATED EXPERIMENTS

- **INTUITIVE OPERATION**

EFFORTLESS PROGRAMMING ON A LARGE 10.1" COLOUR TOUCH SCREEN WITH A USER-FRIENDLY INTERFACE

- **CONTINUOUS RELIABILITY: ZERO DOWNTIME**

EACH OF THE 3 INDEPENDENT BLOCK MODULES CAN BE REMOVED/SWAPPED ENSURING UNINTERRUPTED OPERATION DURING MAINTENANCE

- **MEET THE OTHER MEMBERS OF THE FAMILY**



EZEECYCLER-TRI

High-throughput triple block PCR for multipurpose



EZEECYCLER-PRO

High performance and standard PCR option



EZEECYCLER-GO

Economical routine thermal cycling

ORDERING INFORMATION

Cat. No.	Description	Packaging
EZEECYCLER-TRI	EZEecycler TRI Triple Block 48-well Gradient Thermal Cycler, 110-220V, with UK & EU Plug	
BIO-PCR-02F	0.2ml Thin Wall PCR Tubes, Clear, Frosted Flat Cap	1000 Tubes/Bag; 10 Bags/Case
BIO-PCR-0208	0.2ml Thin Wall 8-Strip PCR Tubes, Clear	125 Strips/Bag; 10 Bags/Case
BIO-PCR-0208CP-F	Frosted Flat 8-Strip Cap, for writing	125 Strips/Bag; 10 Bags/Case
BIO-PCR-0208-IF-F	0.2ml Thin Wall 8-Strip PCR Tubes, Clear with Individual Frosted Flat Caps	30 Strips/Pack; 4 Packs/Case; 10 Packs/Case
BIO-PCR-0108LP-TCP-C	0.1ml PCR 8-Strip Tubes, Low Profile, Clear with Optically Clear Caps, Biorad compatible	120 Strips/Pack; 10 Packs/Case

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