



Overview MyGo Real-Time Cycler



Model	MyGo® ESR	MyGo® PRO	MyGo® MINI S
Number of wells	32	32	16
Tube format	0.1 ml tubes, 8-well strip tubes	0.1 ml tubes, 8-well strip tubes	0.1 ml tubes
Reaction volume	10 – 100 µl	10 – 100 µl	10 – 100 µl
Run time	<40 min	<40 min	<60 min
Interface	PC/Laptop	PC/Laptop	PC/Laptop
Connectivity	LAN (RJ45), USB	LAN (RJ45), USB	LAN (RJ45), USB
Software	Free Windows/Mac OS X or Linux Betriebssystem	Free Windows/Mac OS X or Linux Betriebssystem	Free Windows/Mac OS X or Linux Betriebssystem
Dimensions (W x D x H)	25 x 27 x 23 cm	25 x 27 x 23 cm	16 x 12 cm
Weight	7 kg	7 kg	2 kg
Electrical power consumption	170 W	170 W	90 W (12 V battery option)

Optical Data			
Number of channels	5 (Multiplex)	4 (Multiplex)	2 (Duplex)
Fluorescence excitation	610 nm and 450 nm (red/blue LED)	500 nm (blue LED)	475 nm (blue LED)
Fluorescence detection	510 nm to 750 nm	510 nm to 750 nm	500 nm to 650 nm
Detection type	CMOS array	CMOS array	CMOS array
Detection sensitivity	Single copy detection	Single copy detection	Single copy detection
Dynamic range	9-log	9-log	9-log
Precision	1.1 fold discrimination	1.1 fold discrimination	1.1 fold discrimination

Temperature Control			
Thermal system	Peltier, 99.99% silver block	Peltier, 99.99% silver block	Peltier, aluminium
Temperature range	37°C to 99°C	37°C to 99°C	37°C to 99°C
Heating / cooling speed	5°C/s / 4°C/s	5°C/s / 4°C/s	3°C/s / 1,5°C/s
Thermal uniformity	± 0.1 °C	± 0.1 °C	± 0.1 °C
Thermal accuracy	± 0.25 °C	± 0.25 °C	± 0.25 °C
Factory calibrated dyes	SYBR Green I, ResoLight, FAM, VIC, HEX, Cy5, ROX, LC Green, SYTO 9, Cy5.5. Instrument Specific Calibration for (FAM, HEX, ROX, CY5, CY5.5) Achtung: Funktioniert nicht mit TexasRed.	SYBR Green I, ResoLight, FAM, VIC, HEX, ROX, Yellow 555, Red 610, TexasRed, CAL 540, CAL 560, CAL 590, CAL 610, CAL 635, JOE, Pulsar 650, Quasar 570, Quasar 670, Quasar 705, TAMRA, TET (Generic Dye Files, rote Spektralfarbstoffe erbringen eine schlechtere Leistung).	SYBR Green I, ResoLight, FAM, VIC, HEX, CAL540, CAL560 (Generic Dye files).
Multiplex with red dyes	Yes	NO	NO
Supported assay formats	TaqMan, Molecular Beacons, SimpleProbes®, Intercalators, High Resolution Melting (HRM)	TaqMan, Molecular Beacons, SimpleProbes®, Intercalators, High Resolution Melting (HRM)	Intercalating dyes (e.g. SYBR Green I), Hydrolysis Probes

NST_MyGo_E_04/2024 Subject to technical changes and errors.