MyGo

VICTORY SCIENTIFIC

NOVACYT GROUP

Pro *ESR*

WARRANTY 1 YEAR WARRANTY

COLOUR WHITE COLOUR

AVAILABLE VALIDATION KIT DILUTION SERIES EXTRAS

Model	MyGo® Pro ESR
Number of Wells	32
Format	0.1 ml tubes, 8 well strips
Reaction Volume	10 – 100 µl
Run Time*	<40 mins

What's in the box?

- MyGo® Pro ESR instrument
- Ethernet cable
- AC power supply with UK/EU/US plug
- MyGo® USB
- Quick start user guide
- Single PCR tubes – box of 200
- 8 cap strips – bag of 120 caps
- 8 well strips – individual bag of 120 strips
- Cleaning kit
- Supplied in heavy duty flight case

Optics	
No. of Channels	5 (Multiplex)
Fluorescence Excitation	610 nm and 450 nm (red/blue LED)
Fluorescence Detection	510 to 750 nm
Detector Type	CMOS array
Detection Sensitivity	Single copy detection
Dynamic Range	9–log
Precision	1.1 fold discrimination

Temperature Control	
Thermal System	Peltier with silver mount
Temperature Range	37 to 99 °C
Heating Speed	5 °C/s
Cooling Speed	4 °C/s
Thermal Uniformity	+/– 0.1 °C
Thermal Accuracy	+/– 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) *Note: Does not work with TexasRed.*
Multiplex with Red Dyes	Yes
Supported Assay Formats	TaqMan®, Molecular Beacons, SimpleProbes®, Intercalators, High Resolution Melting (HRM)
Interface	Desktop PC/laptop required *Note: Protocols can be run from a preloaded USB thumb drive.*
Progress Status	Colour alerts
Connectivity	LAN, RJ45, USB
Software	Free Windows/Mac OS X and Linux operating software
Dimensions (w x d x h)	25 x 27 x 23 cm
Weight	7 kg
Electrical Power Consumption	170 W
Electrical Voltage	100 – 240 V AC +/–10%
Electrical Frequency	50 – 60 Hz +/–10%
Operating Noise	<40 dB

*Dependent on assay

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AVAILABLE VALIDATION KIT DILUTION SERIES EXTRAS

Model	MyGo® Pro
Number of Wells	32
Format	0.1 ml tubes, 8 well strips
Reaction Volume	10 – 100 µl
Run Time*	<40 mins

What's in the box?

- MyGo® Pro instrument
- Ethernet cable
- AC power supply with UK/EU/US plug
- MyGo® USB
- Quick start user guide
- Single PCR tubes – box of 200
- 8 cap strips – bag of 120 caps
- 8 well strips – individual bag of 120 strips
- Cleaning kit
- Supplied in heavy duty flight case

Optics	
No. of Channels	4 (Multiplex)
Fluorescence Excitation	500 nm (blue LED)
Fluorescence Detection	510 to 750 nm
Detector Type	CMOS array
Detection Sensitivity	Single copy detection
Dynamic Range	9-log
Precision	1.1 fold discrimination

Temperature Control	
Thermal System	Peliter with silver mount
Temperature Range	37 to 99 °C
Heating Speed	5 °C/s
Cooling Speed	4 °C/s
Thermal Uniformity	+/– 0.1 °C
Thermal Accuracy	+/– 0.25 °C
Factory Calibrated Dyes	SYBR Green I, ResoLight, FAM, VIC, HEX, Cy5, 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, red spectral dyes will give a poorer performance).
Multiplex with Red Dyes	No
Supported Assay Formats	TaqMan®, Molecular Beacons, SimpleProbes®, Intercalators, High Resolution Melting (HRM)
Interface	Desktop PC/laptop required *Note: Protocols can be run from a preloaded USB thumb drive.*
Progress Status	Colour alerts
Connectivity	LAN, RJ45, USB
Software	Free Windows/Mac OS X and Linux operating software
Dimensions (w x d x h)	25 x 27 x 23 cm
Weight	7 kg
Electrical Power Consumption	170 W
Electrical Voltage	100 – 240 V AC +/–10%
Electrical Frequency	50 – 60 Hz +/–10%
Operating Noise	<40 dB

*Dependent on assay

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Model	MyGo® Pro ESR	MyGo® Pro	MyGo® Mini S
Number of Wells	32	32	16
Format	0.1 ml tubes, 8 well strips	0.1 ml tubes, 8 well strips	0.1 ml tubes
Reaction Volume	10 – 100 µl	10 – 100 µl	10 – 100 µl
Run Time*	<40 mins	<40 mins	<60 mins
Optics			
No. 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 to 750 nm	510 to 750 nm	500 to 650 nm
Detector 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	Peliter with silver mount	Peliter with silver mount	Peltier with aluminium mount
Temperature Range	37 to 99 °C	37 to 99 °C	37 to 99 °C
Heating Speed	5 °C/s	5 °C/s	3 °C/s
Cooling Speed	4 °C/s	4 °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) *Note: Does not work with TexasRed.*	SYBR Green I, ResoLight, FAM, VIC, HEX, Cy5, 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, red spectral dyes will give a poorer performance).	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
Interface	Desktop PC/laptop required *Note: Protocols can be run from a preloaded USB thumb drive.*	Desktop PC/laptop required *Note: Protocols can be run from a preloaded USB thumb drive.*	Desktop PC/laptop required *Note: Protocols can be run from a preloaded USB thumb drive.*
Progress Status	Colour Alerts	Colour Alerts	Colour and Audio Alerts
Connectivity	LAN, RJ45, USB	LAN, RJ45, USB	LAN, RJ45, USB
Software	Free Windows/Mac OS X and Linux operating software	Free Windows/Mac OS X and Linux operating software	Free Windows/Mac OS X and Linux operating software
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)
Electrical Voltage	100 – 240 V AC +/–10%	100 – 240 V AC +/–10%	100 – 240 V AC +/–10%
Electrical Frequency	50 – 60 Hz +/–10%	50 – 60 Hz +/–10%	50 – 60 Hz +/–10%

*Dependent on assay

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