

Thermo Scientific Multiskan® EX

The Thermo Scientific Multiskan EX is an ideal tool for customers who need a robust and an easy-to-use bench-top microplate photometer for basic ELISA applications.

The Multiskan EX is a basic reader for endpoint and kinetic assays. The PC software offers a wide range of data reductions and report generations. Additionally, the Multiskan EX with onboard software is IVD compliant.

The Multiskan EX range of applications include:

- Immunoassays
- Protein assays
- Growth curve and hormone assays
- Endotoxins
- Food diagnostics
- HIV assays
- Hybridization assays
- Minisequencing assays
- Cytotoxicity
- Cell adhesion
- Signal transduction
- Endotoxins
- Antioxidants
- Food diagnostics



Exceptional reliability and extended 3-year warranty

The Multiskan EX has earned a global reputation as the most reliable photometer on the market, making it ideal for demanding laboratory environments where technical support is not readily available.

Ascent Software

The Thermo Scientific Ascent Software is supplied free of charge with the purchase of the instrument. The open assay setup

and comprehensive data handling of Ascent Software enable various research applications.

Proven optical system

The Multiskan EX uses a proven optical system which ensures reliable and repeatable results.

Easy to learn and use

Both the onboard and the powerful PC software are easy to use, making the Multiskan EX ideal for laboratories with changing demands or high staff turnover.

IVD compliance package

The Multiskan EX with onboard software complies with the IVD (in vitro diagnostics) Directive 98/79/EC (Note the EU Directive is not valid in North America), which makes it ideal for clinical customers running diagnostic assays.

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Blank	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	A
	Un 1	Un 9	Un 17	Un 25	Un 33	Un 41	Un 49	Un 57	Un 65	Un 73	Un 81	Un 89	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
B	CALIB	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	B
	Un 2	Un 10	Un 18	Un 26	Un 34	Un 42	Un 50	Un 58	Un 66	Un 74	Un 82	Un 90	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
C	CALIB	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	C
	Un 3	Un 11	Un 19	Un 27	Un 35	Un 43	Un 51	Un 59	Un 67	Un 75	Un 83	Un 91	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
D	CALIB	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	D
	Un 4	Un 12	Un 20	Un 28	Un 36	Un 44	Un 52	Un 60	Un 68	Un 76	Un 84	Un 92	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
E	CALIB	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	E
	Un 5	Un 13	Un 21	Un 29	Un 37	Un 45	Un 53	Un 61	Un 69	Un 77	Un 85	Un 93	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
F	CALIB	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	F
	Un 6	Un 14	Un 22	Un 30	Un 38	Un 46	Un 54	Un 62	Un 70	Un 78	Un 86	Un 94	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
G	CONTROL	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	G
	Un 7	Un 15	Un 23	Un 31	Un 39	Un 47	Un 55	Un 63	Un 71	Un 79	Un 87	Un 95	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
H	CONTROL	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	H
	Un 8	Un 16	Un 24	Un 32	Un 40	Un 48	Un 56	Un 64	Un 72	Un 80	Un 88	Un 96	
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
	1	2	3	4	5	6	7	8	9	10	11	12	

Thermo Scientific Multiskan EX

Wavelength selection	Filters
Wavelength range	400 – 750 nm
Filters	8-position filter wheel. Standard filters 405 nm, 450 and 620 nm. Other filters available upon request.
Read-out range	0 – 3.5 Abs
Linearity	0 – 2 Abs, $\pm 2.0\%$ at 405 nm
Accuracy	$\pm 2.0\%$ or ± 0.007 Abs whichever is greater, typical value $\pm 1\%$ (0 – 2.0 Abs) at 405 nm
Precision	CV $\leq 0.5\%$ (0.3 – 1.5 Abs) at 405 nm CV $\leq 1.0\%$ (1.5 – 2 Abs) at 405 nm
Resolution	0.001 Abs
Plate types	96-well plate
Measurement speed	5 s, 96-well plate
Light source	Quartz tungsten halogen lamp
Detector	Eight (8) silicon photodetectors
Shaking	Linear shaking, 3 speeds
User interface	On-board or PC control
Computer interface	RS-232C serial interface
Dimensions (HxWxD)	188 mm (H) x 486 mm (W) x 356 mm (D) 7" (H) x 19.3" (W) x 356" (D)
Weight	12.5 kg (27.5 lbs.)

Ordering Information

Cat. No	Description
51118170	Multiskan EX 200-240V, 50/60 Hz Includes Includes Ascent Software and three Standard Filters: 405nm, 450nm, 620nm
51118177	Multiskan EX 100 -120 V, 50/60 Hz Includes Ascent Software and three Standard Filters: 405nm, 450nm, 620nm

© 2008 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

North America: USA/Canada +1 866 984 3766

Europe: Austria +43 1 801 40 0, Belgium +32 2 482 30 30, France +33 2 2803 2000,
Germany national toll free 08001-536 376, Germany international +49 6184 90 6940,
Italy +39 02 02 95059 434-254, Netherlands +31 76 571 4440, Nordic countries +358 9 329 100,
Russia/CIS +7 (812) 703 42 15, Spain/Portugal +34 93 223 09 18,
Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

Asia: China +86 21 6865 4588 or +86 10 8419 3588, India +91 22 6716 2200,
Japan +81 45 453 9220, Other Asian countries +852 2885 4613

Countries not listed: +49 6184 90 6940 or +33 2 2803 2000

www.thermo.com/readingroom

www.thermo.com/mp