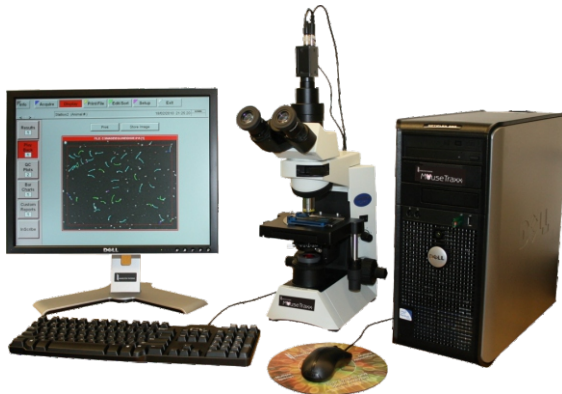




MouseTraxx V14 Sperm Analysis System Specifications



The standard MouseTraxx system includes the MouseTraxx analyzer, CCD camera, negative phase contrast microscope, monitor, keyboard, mouse, standard Animal Motility analysis software and HDATA ASCII Export.

Dimensions	H	W	D	lb. (kg)
	in. (mm)	in. (mm)	in. (mm)	
MouseTraxx:	14.2 (361)	7.1 (180)	17.4 (442)	38 (17.3)
Monitor:	16.9 (429)	16.7 (424)	7.9 (200)	17.0 (7.7)
Microscope:	16.8 (428)	11.1 (283)	12.8 (326)	

Electrical	MouseTraxx	Monitor
Input Voltage:	110-240 VAC	110-240 VAC
Power:	250 watt	95 watt
Line Frequency:	50/60 Hz	50/60 Hz

Specimen Chambers

Cannula:	100, 200 micron
Slide:	20, 50 micron
User Defined	Programmable

Optical System

Imaging Device:	High Resolution B&W CCD array 120 or 240 VAC
Microscope:	Olympus BX41 Negative Phase Contrast C-Mount Adapter Objective: 10x Negative High Phase Contrast MiniTherm Stage Warmer
Image Type:	Phase Contrast, negative and positive Dark field, Bright field
Signal Output:	NTSC, RS-170 60 Hz <i>optional: PAL, CCIR 50 Hz</i>
Magnification:	Set by User
Illumination:	Set by User
Photometer:	Scale on Screen

Analyzing System

Input Signal:	NTSC, RS-170 [<i>optional: PAL, CCIR</i>]
Image Resolution:	640 x 480
Control:	Mouse, Keyboard [<i>optional: Touchscreen</i>]
Analysis Time:	<5 seconds for 200 cells
Software:	On Hard Disk: Updates on Diskette, CD-ROM
Quality Control:	4 Levels: <i>Video Playback, QC by Size, Intensity, Elongation</i>
Analysis Sets:	7 User-defined

Digital Image Acquisition

Frame Rate:	60, 30, 15, 7.5 Hz [<i>optional: 50, 25, 12.5, 6.25 Hz</i>]
Frames:	Min. 5, Max. 100
Fields:	1 - 20
Designation:	Manually Selected

Standard Animal Motility Software

Counts:	Total, Motile, Progressive % Motile, % Progressively Motile Rapid, Medium, Slow and Static Cells
Concentrations:	Total, Motile, Progressive (millions/ml) Rapid, Medium, Slow and Static Cells
Mean Values:	VAP, VCL, VSL, ALH, BCF, LIN, STR, Elongation (head shape) and Area (head size). Includes standard deviations.
Distributions:	VAP, VCL, VSL, Elongation, ALH, BCF, LIN, STR
Graphics:	Distribution Bar Charts Color coded tracks, Plots

Security

Password Security:	3 Levels Analysis Setup access 99 unique User IDs and passwords Electronic signatures
Audit Trail:	Log file of user actions
Timer:	Automatic log-off after system is idle for designated number of minutes

Included Applications

HDATA ASCII Export: Transfer of summary data and/or individual track to ASCII compatible spreadsheet or database programs.

Included Accessories

Accu-beads: Quality control bead solution, 18 M/ml and 35 M/ml concentrations
2X-CEL Analysis Chambers: Fixed depth analysis chambers. One box of 20 µm and one box of 80µm
Leja Slides: One box of fixed depth 100 µm chambers

Optional Special Applications

Digital Image Storage: Allows storage and retrieval of exact fields analyzed. Includes add on program to convert saved video files to industry standard avi or wmv.
Clinical Filing: Provides ability to design three one-page reports and to store analysis reports to file.

Data Output

Printer, ASCII Export, Digital Images, Clinical Filing

MouseTraxx Computer System (subject to changes)

OS:	Windows 7
CPU:	Pentium Dual Core 3 GHz or Core i5
Memory:	2 GB DDR
Drives:	250 GB HD CD/DVD-RW Dual Layer
Display:	20" flat panel, UXGA
Ports:	Serial, Parallel, USB 2.0, PS/2
Network:	10/100/1000 Ethernet