CASA II Clinical Remote Capture Software

For CEROS II Clinical Systems (V1.10)

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Data Input

Analysis Info:	Patient ID
	Patient Name
	Ejaculate Volume (manually or by scale)
	Sample:Diluent
	Import analysis info
	Total count requirement

Live Setup Configuration

Illumination:	Interactive illumination setting
	Histogram showing real-time feedback
Motility Setup:	Interactive sperm identification setup
	Automatic minimum tail brightness based on Photometer Offset
	Minimum head and tail brightness
	Minimum and maximum head size and head elongation
	Real-time feedback through color overlays

Quality Control

Illumination Check:	Quick view to confirm illumination and focus
Illumination Status:	Acceptable / Unacceptable
Video Playback:	Full field playback for capture confirmation only

Security

HT User Groups:	Administrative or Basic user
Password Security:	Windows-based Users
	Unlimited User IDs and passwords
Setup Access:	Analysis Setups restricted to Administrator users only

Video Storage*:* Save video file of each field captured, along with sample information and analysis setup values.

Analysis Sets: Unlimited, User-defined by administrator
Import / Export setups

Specifications subject to change without notice.
US: Pending 510(k). Not available for sale within United States.

Analysis Setup Parameters (Administrative Users Only)

(Setup):	Setup Name
Analysis Limits:	Min Motility Percent
	Min Progressive Percent
	Min Total Count
Calibration:	Objective Name
	X-axis Magnification
	Y-axis Magnification
Camera:	Exposure (Ms)
	Gain
	Integrate Enabled
	Integrate Time (Ms)
Cell Detection:	Elongation Max (%)
	Elongation Min (%)
	Enable Advanced Tail Detection
	Enable Background Subtraction
	Head Brightness Min
	Head Size Max (μm^2)
	Head Size Min (μm^2)
	Static Tail Filter
	Tail Brightness Min
	Tail Min Brightness Auto Offset
	Tail Min Brightness Mode
Chamber:	Capillary Correction
	Chamber Depth (µm)
	Chamber Type (Capillary, Drop)
Illumination:	Max Photometer
	Min Photometer
Kinematics:	Cell Travel Max (µm)
	Progressive STR (%)
	Progressive VAP (µm/s)
	Slow VAP (µm/s)
	Slow VSL (µm/s)
	Static Algorithm
	Static VAP (µm/s)
	Static VSL (µm/s)
	Static Width Multiplier
Morph:	Min Tail Length (µm)
	Tail Confidence (%)
Viadent:	Viadent Fluorescing System
Video Capture:	Frame Capture Speed (Hz)
	Frame Count