Assisted hatching and embryo biopsy is not recommended for routine use in all IVF patients. Caution: Federal law restricts this device to sale by or on the order of a physician or practitioner trained and certified in its use.

## HAMILTON THORNE

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## HT LASER 6 CLINICAL SOFTWARE SPECS

The HT Laser 6 Clinical software is for use with the LYKOS and ZILOS-tk Clinical laser systems.

**Laser Settings** 

Auto Labels: Create unlimited auto-generated labels using standard text and

programmable fields including entered patient and embryo

data, laser specific data and system data

Image Capture: Set Save Location

Set Image Type (JPG or TIF)

Set Save Mode (Manual or Auto and file naming conventions)

Enable Auto Capture on Laser Fire

Enable Image File Name Label and Watermark

Laser Settings: Enable laser and remote laser fire

Set Target Type (Circle, Arrow, Isotherm Rings)

Set custom Isotherm temperature ring and associated color

Set Blanking type

Set Fire Animation (None, Pulse, Ping) Select Audio Feedback sound Set Pulse Resolution (Validation Mode) Enable Multipulse (LYKOS only)

Set Clinical Pulse settings (High, Medium, Low)

Overlay Settings: Enable and configure Crosshairs

Enable on-screen Scale

Time Lapse: Set Time Lapse Interval, Duration and Playback Speed

Video Capture: Set Save Location

Set Save Mode (Manual or Auto and file naming conventions)

**Optics Settings** 

Camera: Select device

Set frames per second (FPS) Actual frames per second (FPS) Enable resizing of video image Automatic adjustment of exposure Set Black Level and Gain Raw

Set White Balance

Objective: Add new objectives Copy existing objectives

Add objective name and description Select type (laser or standard) Calibrate X and Y magnification

Align laser target

Set or autodetect COM port (laser communication)

**Patient Information** 

Patient Info: Patient ID

First Name Last Name Date of Birth Physician

**Embryo Information** 

Embryo Info: Embryo ID

Retrieval Date Fertilization Method Cycle Number Embryos in Cycle

Note

Measurement: Tools allow measurement of various embryo parameters on

captured images. Each measure visible as graphic overlay,

including length in micron

Embryo: Five embryo diameter measurements. Mean & Standard

Deviation. Blastomere count

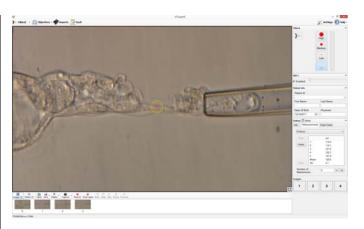
Zona: Five zona thickness measurements. Mean & Standard

Deviation

Drill: Five hole size measurements. Mean & Standard Deviation

Pronuclei: Two diameter measurements for two separate pronuclei. Mean

for each pronuclei



## **Images and Videos**

Images: Save up to 4 images to report database

Save unlimited images to disk

Manual and automatic naming options Automatically save images on laser fire

Unlimited automatic image labels may be stored and enabled

Add freehand text, circles, rectangles, lines, and image

measures be to captured images

Open and view saved images within program.

Videos: Capture and store real time and time lapse video in .mp4

format

Ability to set maximum recording length Manual and automatic naming options Open and play saved videos within program

Laser Modes

Clinical: Press button to activate Low, Medium or High laser energy (as

entered under Laser Settings) 15 second timer appears

Press fire button or use foot switch to fire laser

Validation: Adjust Power % using entered value

Adjust Pulse (µm) using entered value or slider control

Press fire button or use foot switch to fire laser

Multipulse: Adjust Power % using entered value (LYKOS Only) Adjust Pulses/Sec using entered value

Only) Adjust Pulses/Sec using entered value Adjust Total Duration (sec) using entered value

Adjust Pulse Duration (µm) using entered value Enable and disable button

600 second firing limit Laser fires by foot switch only

Halt button to immediately stop laser from firing even if foot

switch is pressed

Reports & Database

Reports: Ability to design unlimited, custom reports

Single page or multipage

Include any saved data and system fields (e.g. date and time)

Include saved Report Images Format text font, size and color

Header and footer report sections for repeating information on

each page

Database: Selection and filtering panel for ASCII output of data

Built in database maintenance for back up, restoring

optimization

Support Ability to Save Support Package in the event of error

Includes Event Log and Applications settings Optionally includes Report template and Database

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