



Lasers

LYKOS[®] Laser

Laser technology for clinical applications

The Hamilton Thorne LYKOS[®] laser attaches to standard inverted microscopes and operate as robotic micro-surgeons to assist IVF procedures.

Hamilton Thorne lasers are fitted with a 300 mW laser which can be fired for as little as 1 μ S which reduces the exposure time and heat required to achieve the required result minimising exposure of the embryo outside of the target area to damaging heat.

The Red-i targeting feature is supplied as standard allowing visualisation of laser target through the microscope eyepieces ensuring the laser fires exactly where required without any detrimental effects on the embryo.

Seamless video and image transfer provide clear high-quality video and images in real time with no lagging, intermittent motion or resizing required, allowing user to be more accurate and precise with laser operation.

- **Precise, with Red-i targeting feature**
- **Hands-free operation**
- **No loss of microscope features**
- **Closed system reduces risk of contamination from dust / humidity**
- **Portable, with simple, easy set-up that does not require an engineer's visit**



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RED-i[®] Targeting feature for the LYKOS[®] Laser System

The RED-i[®] speeds workflow by allowing you to position the cell under the laser beam without looking at the monitor.



- Built into the LYKOS[®] laser objective
- Red LED indicator spot visible through microscope eyepieces
- Adjustable brightness level
- Always remains in focus
- Safe for your Eyes. Laser is NOT transmitted through eyepieces
- Simple alignment process

Multi-Pulse feature for the LYKOS[®] Laser System

The Multi-Pulse software gives our lasers an automated, precise tool that enables rapid trophectoderm biopsy and limits the amount of time the embryo spends outside the incubator. Trophectoderm biopsy is considered one of the best methods used to remove cells from the embryos of patients undergoing pre-implantation genetic diagnosis (PGD) to screen for genetic disease or aneuploidy. The LYKOS[®] Laser System's Multi-Pulse feature provides rapid, repeated firing of the laser to facilitate removal of cells from an embryo during the trophectoderm biopsy process.

Product description	Order codes
LYKOS [®] 40X Fixed beam desktop digital	FHT740026
LYKOS [®] 40X Fixed beam laptop digital	FHT740028
LYKOS [®] 40X Fixed beam digital no computer	FHT740065
Upgrade LYKOS [®] v.5 to V6, laptop, camera	FHT730256
Upgrade LYKOS [®] v.5 to V6, desktop, camera	FHT730255
Upgrade LYKOS [®] v.5 to V6 camera & software	FHT730254

Caution: Federal (US) law restricts this device to sale by or on the order of a physician or a licensed healthcare practitioner trained and certified in its use. Laser-assisted hatching and laser-assisted biopsy are not recommended for use in all IVF patients. Please Note: For animal research and human stem cell applications, the HT Research Lasers should be used.

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