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High Q Laser in Hohenems / Bregenz, Austria, has released a new femtosecond light source for multi-photon microscopy – the new model “femtoTRAIN IMAGING”, a compact, all-in-one, all-diode-pumped, Ti:Sapphire oscillator.

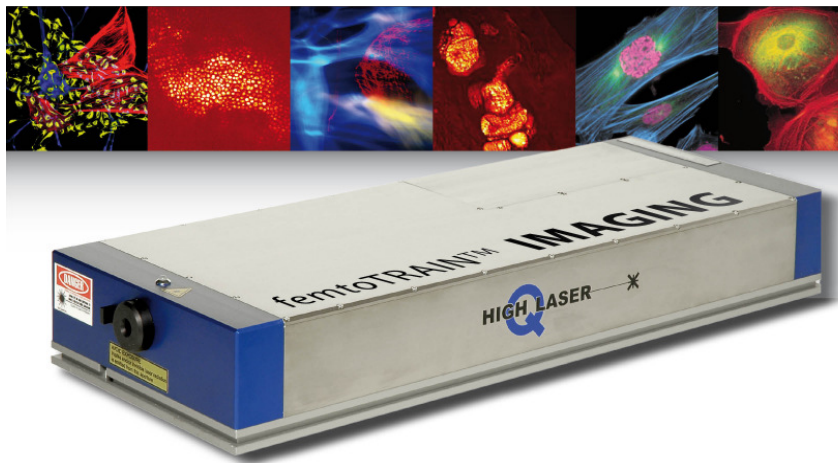
The “femtoTRAIN IMAGING” offers light pulses with a duration of 100 fs at an average power of 200 mW. Its pulse width is optimized for minimal broadening in multi-photon microscope systems. It is available at fixed center wavelengths of 790, 810, 850 or 870 nm, respectively, optimized for the most popular two-photon microscopy dyes.

The “femtoTRAIN IMAGING” incorporates, at a footprint of only 53 cm by 20 cm, fs-resonator and pump laser in one monolithic housing. The semiconductor saturable absorber mirror (SESAM) assures passive and self-starting mode locking, offering a robust and stable system. It is the ideal femtosecond laser source for two-photon microscopy due to its compact size, its hands-free, true turnkey operation and its attractive price.

The “femtoTRAIN IMAGING” is designed to excite, by two-photon-absorption, all fluorescent proteins (GFP, CFP and YFP) and other relevant dyes such as Alexa Fluor 633, DiA, Lucifer Yellow, Oregon Green and Sytox Green. A module for negative dispersion is optional available for compensating the dispersion in the optics path.

Please contact us for more information

Hohenems / Bregenz, Austria, April, 2008



femtoTRAIN IMAGING

Wavelengths
790/810/850/870 nm

Ti:Sapphire
>200 mW
< 100 fs
73 MHz

Beam profile
TEM₀₀ / M² < 1.2

For more information on HIGH Q LASER call +43 (5576) 43040 or e-mail Sandra.Zoppel@highqlaser.at
High Q Laser's headquarter is located at Kaiser-Franz-Josef-Str. 61, Hohenems / Bregenz, Austria.

For more than 9 years HIGH Q LASER has been a leading supplier of diode pumped pico- and femtosecond all-solid-state oscillators and amplifiers based on Direct Diode Pumping and Semiconductor Saturable Absorber Mode Locking.

For additional photo formats, b/w prints or electronic files of the attached image(s) please call Sandra Zoppel at HIGH Q LASER, Marketing Communications, phone +43 (5576) – 430 40- 17 or e-mail: Sandra.Zoppel@highqlaser.at

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