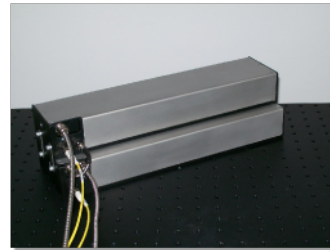
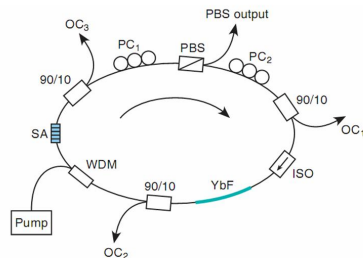


NEW

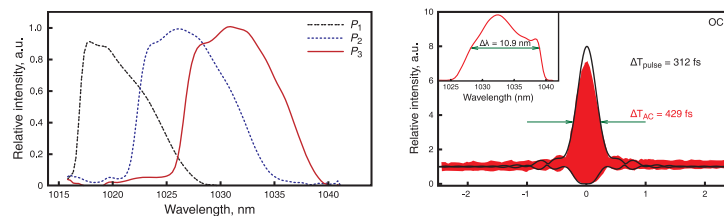
FemtoFiber™ All-fiber, femtosecond pulse ytterbium oscillator/amplifier system



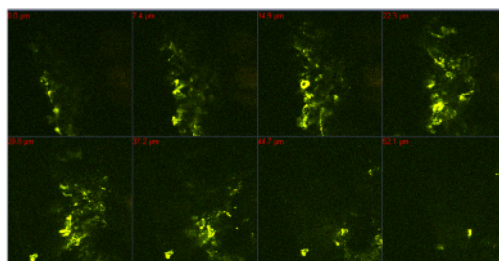
Ytterbium oscillator/preamplifier system



Typical output spectra and SHG autocorrelation trace



Examination of Alexa-514 labelled nanoparticle penetration into un-haired mouse dorsal skin by ytterbium oscillator/amplifier system



Reference

Fekete J., Csereg A., Szipöcs R.: All-fiber, all-normal dispersion ytterbium ring oscillator. Laser Phys. Lett. 6 (1) 49-53 (2009)

System specifications (preliminary):

Average output power: > 900 mW
Operation wavelength: ~ 1030 nm
Bandwidth: > 6 nm
Pulse duration at the laser output: ~ 20 ps
Repetition rate: 20-80 MHz
Spatial mode: TEM00
Polarization adjustable by QWP and HWP
Optional compressors:
Transmission grating or hollow fiber compressor
Compressed pulse duration: < 300 fs or < 600 fs



R&D Ultrafast Lasers Ltd.
H-1012 Budapest, Attila út 73.
Phone/Fax: +36 1 392 2582
e-mail: r.szipocs@szipocs.com
www.fslasers.com