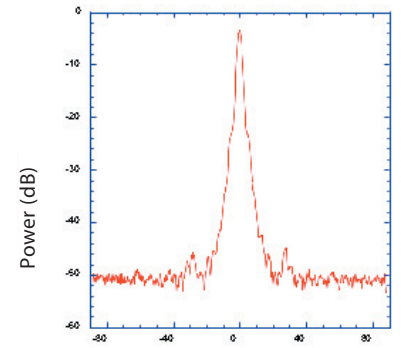
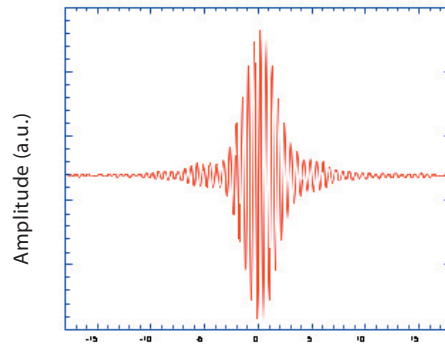
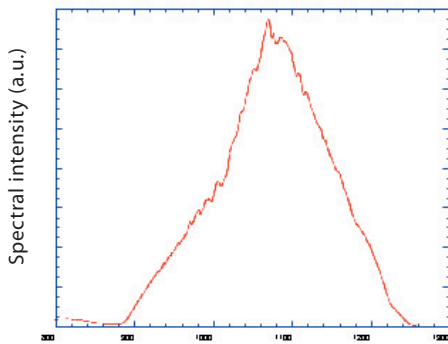


Application Note : OCT – Optical Coherence Tomography

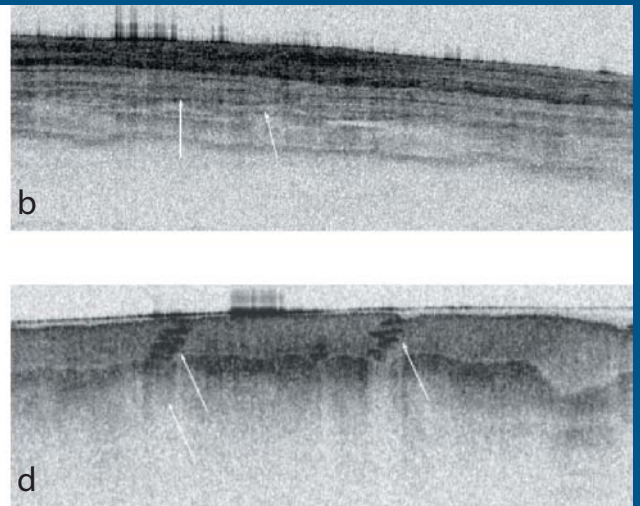
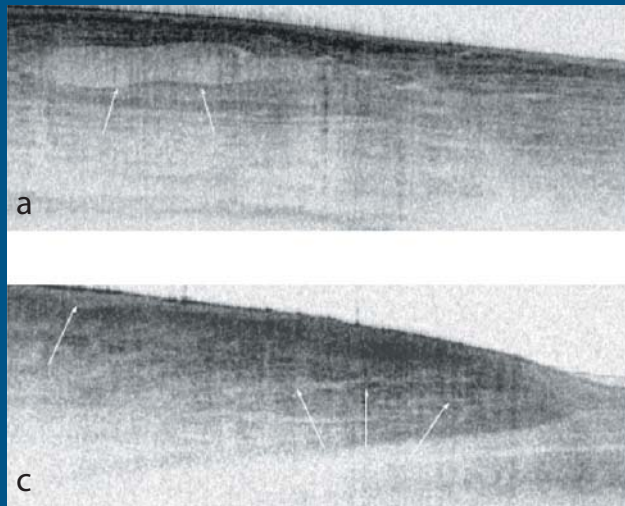
with the compact IC or UltraCompact UC femtosecond oscillator

femtoTRAIN™ Nd:Glass, 100 mW / 70 MHz / 100 fs

Spectral broadening in NA fiber to >~150 nm FWHM



OCT imaging results



(a,b) Images of the hamster cheek pouch showing squamous epithelium and connective tissue as well as a junction between two vessels. (c) Image of the nail bed showing the stratum corneum and junction between the epidermis and the dermis.

(d) Image of human volar finger pad showing stratum corneum and sweat ducts. Ref: S. Bourquin, et al., Ultrahigh resolution real time OCT imaging using a compact femtosecond Nd:Glass laser and nonlinear fiber,