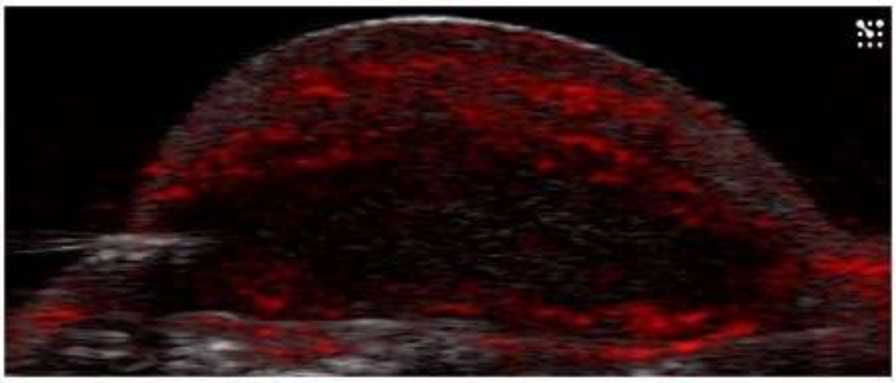
Vevo LAZR Photoacoustic Component

Vevo LAZR photoacoustic imaging component with LZ fiberoptic transducer and Photoacoustic Mode offers unique inherent co-registration of the photoacoustic signal with anatomical targets in high-resolution, real-time fashion. Endogenous photoacoustic signals from hemoglobin enables quantification of hemoglobin content and oxygen saturation (HemoMeaZure and OxyZated Tools) which is useful for tissue hypoxia assessment. Photoacoustic imaging coupled with nanorodes as a contrast agent offers assessment of vascular permeability as well as real-time molecular/cellular imaging.

Applications:

Photoacoustic Imaging of Nanorodes: Accumulation in Tumor Tissue



Photoacoustic Imaging of Tumor: Oxygen Saturation