

The Tissue Viability Imager TiVi600

The polarization spectroscopy camera that can "see through" the top layer of the skin and collect information about the underlying microcirculation

Features

- Automatic capturing of up to 12 images per minute.
- Maximum lateral resolution about 25 μ m. Average depth view about 400 μ m.
- Presentation of tissue red blood cell concentration in terms of 2D color maps.
- Integrated Wizards optimize work productivity in skin testing and drug development.
- Statistical analysis in batch mode.
- Quantifies skin erythema and skin blanching.
- Automatic calculation of multi-site erythema intensity and extension.
- Individual measurement sequences can easily be integrated into entire project description.
- Time-compressed review of microvascular events by use of video-clips.
- Zoom-in links the macroscopic to the microscopic field of view.
- Profile analysis of images by way of the integrated Image Slicer and Image Sectioner.
- Analysis of temporal changes in the microcirculation by use of the integrated Curve Tracker.

Benefits

- Small and portable design – the TiVi600 system can easily be moved between laboratories and workplaces for on-site examination of skin microcirculation.
- No skin contact implies minimal risk for test subject discomfort or contamination.
- Instant image capturing – temporal variations in the microcirculation cannot be misinterpreted as spatial variations in the red blood cell concentration map.
- No influence of the microcirculation under study.
- Insentitive to movement artefacts, variations in camera-object distance and ambient light.
- No calibration necessary.

Wheels Bridge

PIONEERS IN TISSUE VIABILITY IMAGING



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