



neurescence
BIOLOGICAL OPTICAL IMAGING



Contact us to discuss how Quartet® can help advance your research.

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Multi-region Calcium Imaging in Freely Behaving Animals

Your complete Hardware & Software solution for Calcium Imaging



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- 4 flexible, light-weight imaging fibre bundles
 - Single-neuron resolution
 - Image brain & spinal cord
 - Neonates, songbirds, rodents & NHP imaging
 - Advanced behaviour experiments
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Calcium Imaging

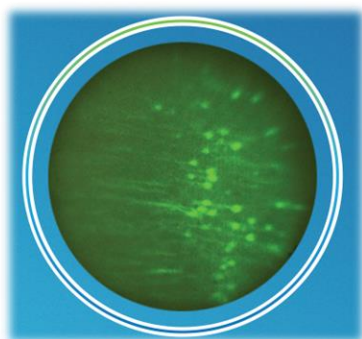
- Green fluorescence protein -GCaMP
- Excitation 400-530 nm
- Detection 505-525 nm

Detection Wavelengths

- 517 ± 13 nm
- 590 ± 20 nm

Imaging Analyser Software

- Live data visualization
- Advanced multiregion imaging
- Neuronal segmentation
- Calcium trace extraction



Customizable Lens Connector

- Customizable diameter: 0.5 - 1mm
- Customizable length: 2.5 - 11mm

Accessories

- Piccolo® - attaches lens to stereotaxic frame during surgery
- Recoverable lens-connectors
- Habituation fibre optics

Synchronization

- Behaviour camera
- Electrophysiology
- Any other modalities

Support

- Hands-on surgery training
- Neuronal trace extraction