

## Certificate of Analysis

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**Product Name:** Tissue Clearing Pro

**Catalog No.:** 7389

**Batch No.:** 7

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We certify that this product meets our quality release criteria.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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The Tissue Clearing Pro kit is designed for use with whole tissues and clears tissues with minimum changes to morphology and without compromising the sensitivity of detection with almost any fluorophore. With the easy-to-use protocol, whole mouse brain (8 mm thickness) can be cleared in 24 hours, or a 1 mm section in 2 hours, without using any special instrument or equipment. The clearing workflow is compatible with most fluorophores including fluorescent proteins, which can be detected with typical fluorescent imaging instruments such as wide-field, confocal, and light sheet microscopes, and high-content instruments. The Tissue Clearing Pro tissue clearing technique is strong enough to adequately clear tissue for 3D fluorescent imaging, but not so harsh as to disrupt tissue morphology. Minimum morphological changes such as shrinkage or contraction have been observed. For precious samples, the clearing can be reversed, and tissue can be processed for histology studies such as H&E staining.

**Kit Contents:**

- Tissue Clearing Pro Reagent 1
- Tissue Clearing Pro Reagent 2
- Antibody Buffer
- Blocking Buffer
- Penetration Buffer
- Permeabilization Buffer
- 10X Wash Buffer
- Getting Started Guide

**Storage:** Store at room temperature. Once opened, store Tissue Clearing Pro Antibody Buffer, Blocking Buffer, Penetration Buffer, Washing Buffer 10X and Permeabilization Buffer at 2–8°C. Store Tissue Clearing Pro Reagent 1 and 2 at room temperature in a dry environment. This product can be stored for up to 6 months from date of receipt.

**Further Information:** To learn more about tissue clearing and for a comprehensive workflow please review our [Tissue Clearing Pro guidebook](#).

*This kit was developed using VisikoI® HISTO™ technology.*

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