

# CERTIFICATE OF ANALYSIS

**Product Name:** Tissue ExM Kit  
**Cat.No:** CC6234  
**Lot.No:** 66AC102  
**Production Date:** 12/01/2025  
**Expiry Date:** 12/01/2026  
**Storage Temperature:** Stored at 4°C

| Parameter         | Specification                                                                                                                                                     | Result                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Visual appearance | ExMPro Reagent A Plus: colorless, transparent, free of particulates                                                                                               | Conforms                                                                                                                                                                                                                                                                                                                                                             |
|                   | ExM Reagent B (100×): colorless, transparent, free of particulates                                                                                                |                                                                                                                                                                                                                                                                                                                                                                      |
|                   | ExM Reagent C (100×): colorless, transparent, free of particulates                                                                                                |                                                                                                                                                                                                                                                                                                                                                                      |
|                   | ExMPro Reagent D (1,000×): colorless, transparent, free of particulates                                                                                           |                                                                                                                                                                                                                                                                                                                                                                      |
|                   | ExMPro Reagent E: colorless, transparent, free of particulates                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |
| Volume            | ExMPro Reagent A Plus: 6mL                                                                                                                                        | Conforms                                                                                                                                                                                                                                                                                                                                                             |
|                   | ExM Reagent B (100×): 60μl                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                      |
|                   | ExM Reagent C (100×): 60uL                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                      |
|                   | ExMPro Reagent D (1,000×): 60μl                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                      |
| Casting Frame-T   | ExMPro Reagent E: 60mL                                                                                                                                            | Conforms                                                                                                                                                                                                                                                                                                                                                             |
| Stickers-T        | 20 molds                                                                                                                                                          | Conforms                                                                                                                                                                                                                                                                                                                                                             |
|                   | 20 sheets                                                                                                                                                         | Conforms                                                                                                                                                                                                                                                                                                                                                             |
| Function test     | Mouse brain frozen tissue sections were imaged using Tissue ExM kit before and after expansion. And MAP2, NeuN and Neurofilament Heavy Polypeptide were detected. | All three immunofluorescence results achieved isotropic expansion without structural tearing (linear expansion approximately 8 times). Subcellular resolution was enhanced, allowing clear visualization of dendritic spines, perikarya, and axon bundles. Background fluorescence was reduced, with an average 2.3-fold increase in the signal-to-background ratio. |

Quality authorized by:

*Esther Zhang*

Quality Control Manager

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