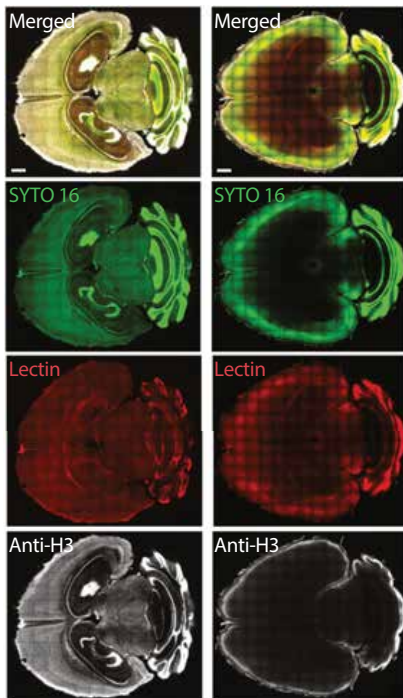


SMARTLABEL

The World's First 3D Active Antibody Immunostaining Device



Combines Stochastic Electrotransport (Kim, PNAS, 2015) technology and SWITCH (Murray, Cell, 2015)



Staining of a CLARITY-processed whole mouse brain within one day using Stochastic Electrotransport (left) compared to passive staining (right) (Kim, PNAS, 2015)

FAST, EASY, AND RELIABLE

Speed: Order of magnitude faster than passive labeling (1-3 days compared to weeks or months)

Easy: Plug-and-play

Reliable: Prevents tissue damage with Stochastic Electrotransport technology (Kim, PNAS, 2015). Our nanoporous membranes (patent-pending) eliminate tissue contamination and probe loss.

COMPLETE AND UNIFORM LABELING

Complete: Full staining of organ-scale samples (e.g., mouse brain)

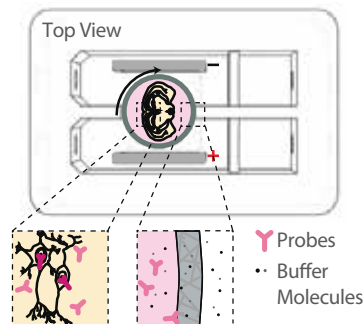
Uniform: Unparalleled signal uniformity throughout the sample

COST SAVINGS BY AVOIDING TARGET SATURATION

Antibody Savings: Complete and cost-effective labeling with a small amount of antibody by preventing antibody depletion

COMPATIBLE WITH MANY CLEARING TECHNIQUES INCLUDING:

- CLARITY (Chung, Nature, 2013)
- SWITCH (Murray, Cell, 2015)
- MAP (Ku, Nature Biotechnology, 2016)



Nanoporous membrane retains antibodies inside sample chamber and protects against contamination (Kim, PNAS, 2015).



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