Analytical Instrumentation, Methods & Materials

CROSSLINKERS FOR EXPANSION MICROSCOPY

WARF: P250060US01

Inventors: Oji Suzuki

The Invention

A UW-Madison researcher has identified a novel crosslinker for expansion microscopy research, glycidyl methacrylate (GMA) dissolved in sodium bicarbonate, that is able to support the expansion of mouse embryos and other tissue types. It supported both 4x and 12x expansion (and potentially even greater magnifications). Moreover, GMA is also able to crosslink single-stranded DNA and RNA, which is not achievable with existing crosslinkers used in expansion microscopy that only bind and crosslink proteins (and dsDNA bound to those proteins). Therefore, this crosslinker may have advantages for many different cell/tissue types.

Additional Information

For More Information About the Inventors

- Oji Suzuki

Tech Fields

- Analytical Instrumentation, Methods & Materials : Microscopy
- Analytical Instrumentation, Methods & Materials : Reagents

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854