



## LAP

Cat. No. MT007

Lot. No. (See product label)

### Product Description

LAP is a water soluble, cytocompatible, photoinitiator for use in the polymerization of hydrogels or bioinks. This photoinitiator is preferred over Irgacure 2959 for biological applications due to its increased water solubility, increased polymerization rates with 365 nm light, and absorbance at 400 nm allowing for polymerization with visible light. The improved polymerization kinetics enable cell encapsulation at reduced initiator concentration and longer wavelength light, which has been shown to reduce initiator toxicity and increase cell viability.

<b>Application</b>	Visible Light Photoinitiator (405 nm)
<b>State</b>	Powder
<b>Sterilization Method</b>	non-sterile
<b>Storage/Stability</b>	The product ships on gel packs. Store the product at 2-8 °C.
<b>Shelf Life</b>	Weigh out the required amount of powder to solubilize. Once solubilized, use within 2 weeks.

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

[www.matexcel.com/hydrogel](http://www.matexcel.com/hydrogel)

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