

CELLINK® FIBRIN

Description

CELLINK® Fibrin is an enhanced composition of our CELLINK® Fibrinogen bioink. Fibrin is a critical protein that is found in the healing of many tissues due to its role in clots. CELLINK® Fibrin contains both *in situ* fibrin and fibrinogen, providing a more physiological wound healing environment. CELLINK® Fibrin also contains an enhanced cross-linking solution that contains both thrombin and an ionic binding agent, permitting the development of a compound network that offers unparalleled stability. Combine with our **VASKIT** to develop vascularized models! This bioink retains the excellent printability and ease of cross-linking found with the universal CELLINK® bioink.

Application

CELLINK® Fibrin has been optimized for the fabrication of constructs for many tissues. The bioink is compatible with many cell types.

Storage

CELLINK® Fibrin should be stored at 4°C. The shelf life of CELLINK® Fibrin is 3 months. Ensure the cartridges are capped prior to storage to prevent drying.

Mixing with Cells

We suggest you mix CELLINK® Fibrin with a high concentration of cells and bioprint everything in one run with one printhead. You can either mix the cells manually or use our revolutionary **STARTINK-Kit** with our **CELLMIXER**, which is specifically designed to simplify the mixing process and offers a homogeneous suspension with an increased cell viability.

Crosslinking

CELLINK® Fibrin is simply crosslinked with our enhanced crosslinking solution containing thrombin and CaCl₂. Once your construct has successfully bioprinted, apply enough droplets to cover the construct. A 5-minute incubation is sufficient for most bioprinted structures. After that time, remove the crosslinking solution and wash with PBS and replace with the desired cell culture media.

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