

HyStem

Product Number GS311-1EA

HyStem is recommended for applications requiring attachment factor optimization. Extracellular matrix proteins can be mixed into the hydrogel and incorporated non-covalently before gelation. Alternatively, attachment peptides having an N-terminal cysteine can also be covalently linked to the matrix.

The HyStem Hydrogel Kits are optimal for culturing stem cells whose natural environment is rich in hyaluronic acid (HA). It is xeno-free since its two components are thiol-modified hyaluronan (HyStem) and a thiol-reactive crosslinker (polyethylene glycol diacrylate, Extralink). HyStem can be customized by adding extracellular matrix (ECM) proteins or cell attachment peptides into the hydrogel to provide attachment site and/or differentiation signals. They can also be varied by changing the hydrogel rigidity to match that of the native cell environment.

Specifications

Product Number	GS311-1EA
Feature	Hydrogel Kit
Size	1 kit

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