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The influence of solvent formulations on thermosensitive hydroxybutyl chitosan hydrogel as a potential delivery matrix for cell therapy

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Highlights

- Gelation temperature of hydroxybutyl chitosan (HBC) hydrogel was related to solvent formulations.
- Solvent formulations could influence the viability of cells cultured with HBC hydrogels.
- pH and ionic strength had influence on microstructures of HBC hydrogels.
- 3D encapsulation was a better cell loading method for HBC hydrogels.

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