



Product Information

Agarose thermosensitive hydrogels

Cat. No.: X26-04-ZQ2673

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: Agarose heat-responsive gel; Agarose thermal-sensitive matrix; Agarose thermo-responder

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Agarose thermosensitive hydrogels are natural polysaccharide networks that undergo a physical transition based on temperature. The composition involves purified agarose that exists as a liquid at high temperatures and forms a stable, porous gel upon cooling. The structure is chemically inert and serves as a fundamental model for investigating molecular diffusion and cell-scaffold interaction in physics.
Source	Custom synthesis
Form	Solid
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	This product can be used for the study of thermal gelation physics, the development of 3D culture models for research, and research into polysaccharide structural materials.
Storage	Store at -20°C.