

Cellulose nanofiber hydrogels

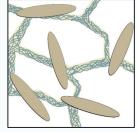
Biodegradable high-strength porous materials with high affinity with the environment and living organisms

Hydrogels, and methods of producing gels or porous materials

- Success in improving strength of cellulose hydrogel materials using freezing phenomena
- Characterized by biodegradability, high moldability, and adsorptivity for toxic substances
- Anticipated to be developed into environmental purification materials and biomaterials

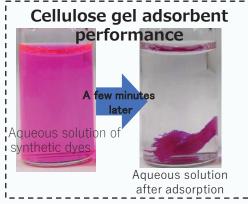
Keywords: Biomass material, Freezing, Cellulose, Adsorption, Biodegradable, High strength, High moldability







Point.2
Easily composited and molded with various powder materials such as clay minerals



Stage of Technology

Basic research

Applied research

Practical development

Productization

Commercialization

Fields of use

- · Decontamination in the environmental field
- · Nuclear, environment, civil engineering, construction
- · Cell culture, regenerative medicine

Information of intellectual property WO2021/256038

