

Concentrated Ultrasonic Conducting Resin

Dr Xia GUO, Associate Professor, Department of Rehabilitation Sciences

Special Features

- Highly concentrated ultrasound gel
- Easy to be stored and delivered

An ultrasound gel concentrate were developed to provide doctors who need to travel with their ultrasound machines or patients who keep their ultrasound machine at home a better way of storing the gel and more supply in a smaller container.

The concentrated ultrasonic conducting resin comprises a viscosity conditioning agent, a lubricant, a pH conditioning agent and a bactericide. A coloring agent and a spice can be added into the concentrated ultrasonic conducting resin. The preparation method of the concentrated ultrasonic conducting resin for medical science comprises the following steps of viscosity conditioning agent swelling, raw material mixing and stirring, system pH value adjustment and the like.

The conducting resin can be used after being diluted to reach a requirement. The concentrated ultrasonic conducting resin has high concentration and thus product transport and storage are convenient which reduces the cost. It is a ready-to-use preparation and thus reducing preservative use.



www.polyu.edu.hk/itdo



PolyU ITDO

PolyU ITDO

Food Safety Consortium

itdo@polyu.edu.hk



Innovation and Technology
Development Office
創新及科技發展處

Contact Us

Ir Steven LAM, Manager, Innovation and Technology Development Office

T (852) 3400 2864

E steven.tf.lam@polyu.edu.hk