

Foetal Heart Simulator

1. Water cannot be used in a commercial portable device
 - Water evaporates
 - Water corrodes ferrous materials used in the transducer which is magnetic
2. Water-based Gels cannot be used as they collapse
 - Dry out ending as a powder
 - Leave holes which attenuate the ultrasonics
3. The chosen Gel has been working 24hrs per day 7 days per week for seven months without failure