

	Elastography		
Feature	Agar/Gelatin	Zerdine®	
Sound speed	~1450-1700 m/s	~1450-1900 m/s	
Attenuation Magnitude	~0.1-1.5 dB/cm/MHz	~0.05-1.5 dB/cm/MHz	
Attenuation Frequency Dependence	e 1-1.5	1-1.5	
B/A	Mimic range of soft tissues	?	
Wide range of scattering properties	Yes	Yes	
Multi-modality (X-ray, microwave, MRI)	Yes	Yes	
Elasticity proportional to gel concentration	Yes	Yes	
Stress/strain	Linear gelatin, nonlinear agar	Linear	
Melting point	50°C (higher with additives)	> 80 °C	
Dispersions of oil droplets	Lower elastic modulus, lower sound speed, mimic fatty tissues	Same	
Uniform acoustic properties	Yes	Yes	
Repeatable elastic properties	Yes	Yes	
Lossless	Yes	Yes	
Lossy additives	High molecular weight polysaccharides	?	











