Tissue Simulating Liquids (TSL)

Dielectric properties of MVG TSLs are compliant with technical requirements of international SAR measurement standards and facilitate handling and cleaning.

MAIN FEATURES

Product category

- Tissue Simulating Liquids (TSL)

Function

- Simulate the human head and body tissues dielectric characteristic during SAR testing

User profile

- SAR testing labs, regulators, university, biology labs

Related standard

- IEC/EEE 62206-1528, IEEE1528, FCC OET Bulletin 65:1997 & related KDBs; IEC 62209-1/-2, EN50566, ISED's RSS & SPRs

Related equipment

- SAR bench, phantoms, LimeSAR

Available containers

- 10, 20, 25, 30 liters

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Technnical Characteristics

Type		Frequency Range [MHz]	Main Composition	Dielectric Parameters
HEAD TSL				
Narrow Band	**SHL150**	145-155	Water, tween, NaCl	As per Table 2 – Dielectric properties of the tissue-equivalent medium of IEC/IEEE62209-1528 & Appendix A-Tissue Dielectric Parameters of FCC KDB 865664 ± 10 %
Narrow Band	**SHL300**	300-410	Water, NaCl, propanediol	
Narrow Band	**SHL450**	410-500	Water, NaCl, propanediol	
Broadband	**BBHL**	600-10000	Water, oxided mineral oil	

BODY TSL				
Narrow Band	**SHL300**	300-410	Water, NaCl, propanediol	As per Appendix A-Tissue Dielectric Parameters of FCC KDB 865664 ± 10 %
Narrow Band	**SHL450**	410-500	Water, NaCl, propanediol	
Broadband	**BBBL**	600-6000	Water, oxided mineral oil	

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