

Trace Code*: **BioPixS0067**

Model	DRSM50 (Muscle, general purpose)
Wavelength	490 - 1100 nm
Technique	Time domain diffuse optical spectroscopy
Time domain model	Semi-infinite analytical model
Geometry	Reflectance
Source detector separation	2 cm
Operator	MT
Date	26/06/2024
Batch code	CC1B1yorz
Refractive index	1.5
Dimension	50 x 50 x 10 mm

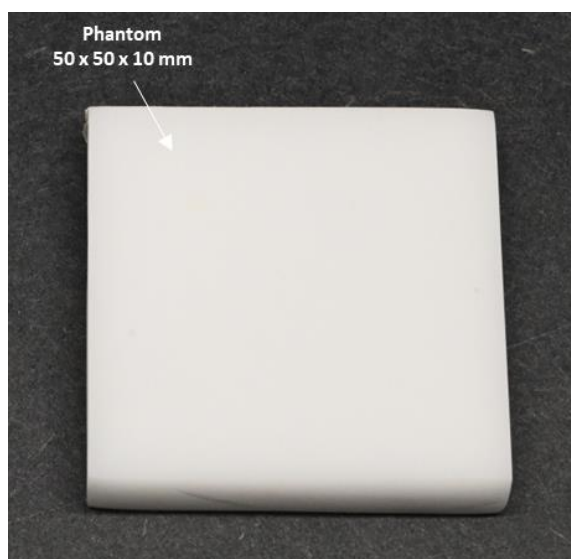


Part number	Wavelength (nm)	Absorption (cm ⁻¹)	Scattering (cm ⁻¹)	Absorption Coefficient of Variation (%)	Scattering Coefficient of Variation (%)
DRSM50	490	0.11	14.3	0.3	0.2
DRSM50	500	0.11	13.9	0.5	0.7
DRSM50	520	0.11	13.6	0.8	0.6
DRSM50	540	0.11	13.0	0.6	0.9
DRSM50	550	0.11	12.8	0.7	0.7
DRSM50	560	0.11	12.7	0.2	0.4
DRSM50	580	0.11	12.4	1.3	0.7
DRSM50	600	0.11	12.2	0.3	0.3
DRSM50	620	0.11	11.9	0.6	0.5
DRSM50	640	0.11	11.9	1.4	1.3
DRSM50	650	0.11	11.9	1.4	1.2
DRSM50	660	0.11	11.6	1.1	0.5
DRSM50	680	0.11	11.7	0.6	0.3
DRSM50	700	0.11	11.4	0.8	0.7
DRSM50	720	0.11	11.3	1.0	0.8
DRSM50	740	0.12	11.2	0.9	0.5
DRSM50	750	0.12	11.0	1.0	0.9
DRSM50	760	0.12	10.9	1.0	0.5
DRSM50	780	0.11	10.6	1.2	0.8
DRSM50	785	0.11	10.6	0.5	0.7
DRSM50	800	0.11	10.3	0.6	0.5
	820	0.11	9.8	0.3	0.3

Datasheet - characterization

DRSM50

DRSM50	840	0.11	9.6	1.3	0.9
DRSM50	850	0.11	9.5	0.4	0.9
DRSM50	860	0.11	9.3	1.3	1.3
DRSM50	880	0.12	8.9	0.8	0.5
DRSM50	900	0.16	8.4	0.6	0.5
DRSM50	920	0.17	7.9	1.2	0.5
DRSM50	940	0.15	7.8	1.8	1.4
DRSM50	950	0.13	7.8	1.8	1.1
DRSM50	960	0.11	7.6	1.4	1.0
DRSM50	980	0.11	7.5	0.9	1.3
DRSM50	1000	0.13	7.1	10	10
DRSM50	1020	0.16	6.9	10	10
DRSM50	1040	0.16	6.9	10	10
DRSM50	1050	0.18	7.3	10	10
DRSM50	1060	0.23	8.6	10	10
DRSM50	1080	0.18	7.9	10	10
DRSM50	1100	0.12	6.6	10	10



*Cite/Reference Trace code in your publications to make your research traceable. This will help the peer community to trace the phantoms used in your research.

For customization and to explore other phantom products visit <https://biopixstandards.com/>

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