

Datasheet - characterization

Trace Code*: **BioPixS0067**

Model	DRSB50 (Brain)
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 (%)
DRSB50	490	0.22	16.6	0.5	1.3
DRSB50	500	0.21	16.1	0.8	0.5
DRSB50	520	0.21	15.5	0.8	0.6
DRSB50	540	0.21	15.2	0.7	0.8
DRSB50	550	0.22	15.2	0.5	0.5
DRSB50	560	0.21	14.7	0.3	0.5
DRSB50	580	0.22	14.6	0.7	0.8
DRSB50	600	0.22	14.3	1.6	1.2
DRSB50	620	0.22	14.1	0.2	0.7
DRSB50	640	0.22	14.0	0.7	1.1
DRSB50	650	0.22	14.1	0.9	0.7
DRSB50	660	0.22	13.9	0.8	0.7
DRSB50	680	0.22	14.0	0.2	0.1
DRSB50	700	0.22	13.9	1.4	1.0
DRSB50	720	0.22	13.4	0.7	0.3
DRSB50	740	0.23	13.3	0.3	0.2
DRSB50	750	0.23	13.0	0.5	0.2
DRSB50	760	0.23	12.9	1.4	1.6
DRSB50	780	0.22	12.3	1.0	1.5
DRSB50	785	0.22	12.3	0.8	1.2
DRSB50	800	0.21	11.9	2.1	2.0
DRSB50	820	0.21	11.3	1.7	1.6

BioPixS Limited

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DRSB50

DRSB50	840	0.21	11.1	1.8	1.8
DRSB50	850	0.21	10.9	1.2	1.1
DRSB50	860	0.20	10.4	0.9	1.5
DRSB50	880	0.21	10.0	1.3	1.6
DRSB50	900	0.25	9.6	1.0	0.8
DRSB50	920	0.26	9.1	0.9	1.0
DRSB50	940	0.23	8.8	1.4	1.8
DRSB50	950	0.21	8.8	0.6	0.1
DRSB50	960	0.20	8.7	0.7	0.3
DRSB50	980	0.20	8.5	1.4	0.9
DRSB50	1000	0.22	8.1	10	10
DRSB50	1020	0.24	7.8	10	10
DRSB50	1040	0.26	8.0	10	10
DRSB50	1050	0.28	8.5	10	10
DRSB50	1060	0.36	10.1	10	10
DRSB50	1080	0.31	9.5	10	10
DRSB50	1100	0.21	7.5	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.

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