

QUARTZ NMR & EPR SAMPLE TUBES

5mm Natural Quartz NMR Sample Tubes

Recommended for Boron NMR [< 0.1 ppm Boron] and/or UV catalyzed reactions in the region above 210nm [90%T @ 210nm]. Medium and heavy wall NMR tubes are now available, in addition to standard, thin wall NMR tubes, as shown in the tables below.



S-5-600-QTZ

5mm Thin Wall Natural Quartz NMR Sample Tubes

Item No.	MHz	O.D. (mm)	I.D. (mm)	Length (mm)	Packed In Lots of
S-5-500-QTZ-7	500	4.97 ± 0.013	4.20 ± 0.025	178	5
S-5-500-QTZ-8	500	4.97 ± 0.013	4.20 ± 0.025	203	5
S-5-600-QTZ-7	600	4.97 ± 0.006	4.20 ± 0.012	178	5
S-5-600-QTZ-8	600	4.97 ± 0.006	4.20 ± 0.012	203	5

5mm Medium Wall Natural Quartz NMR Sample Tubes

Item No.	MHz	O.D. (mm)	I.D. (mm)	Length (mm)	Packed In Lots of
S-5-500-QTZ-MW-7	500	4.95 ± 0.013	3.40 ± 0.025	178	1
S-5-500-QTZ-MW-8	500	4.95 ± 0.013	3.40 ± 0.025	203	1
S-5-600-QTZ-MW-7	600	4.95 ± 0.006	3.40 ± 0.012	178	1
S-5-600-QTZ-MW-8	600	4.95 ± 0.006	3.40 ± 0.012	203	1

5mm Heavy Wall Natural Quartz NMR Sample Tubes

Item No.	MHz	O.D. (mm)	I.D. (mm)	Length (mm)	Packed In Lots of
S-5-500-QTZ-HW-7	500	4.95 ± 0.013	2.15 ± 0.025	178	1
S-5-500-QTZ-HW-8	500	4.95 ± 0.013	2.15 ± 0.025	203	1
S-5-600-QTZ-HW-7	600	4.95 ± 0.006	2.15 ± 0.012	178	1
S-5-600-QTZ-HW-8	600	4.95 ± 0.006	2.15 ± 0.012	203	1

QUARTZ NMR & EPR SAMPLE TUBES

Natural Quartz EPR Sample Tubes

Norell EPR tubes produce lower background signals and have better resistance to breakage than competitor brands. Our proprietary technical treatment reduces background noise along with the benefit of protecting against tube breakage. Additionally, we have designed a new fluoropolymer closure system around our fire-polished tube ends that prevents sample loss during temperature gradients. Available in both standard and ultra precision. Supplied with tapered fluoropolymer caps.

Item No.	O.D. (mm)	I.D. (mm)	Wall (mm)	Length (mm)	Packed In Lots Of
S-4-2-EPR-250S	4.0	2.0	1.00	250	5
S-4-EPR-250S	4.0	3.0	0.50	250	5
S-4-EPR-250P	3.98 ± 0.015	2.95 ± 0.025	0.51	250	5
S-5-EPR-250S	5.0	4.0	0.50	250	5
S-5-EPR-250P	4.97 ± 0.013	4.14 ± 0.008	0.41	250	5

5mm Suprasil® Quartz NMR Sample Tubes

Recommended for Boron NMR [< 0.01 ppm Boron] and/or UV catalyzed reactions in the region above 190nm [90%T @ 190nm].

Item No.	MHz	O.D. (mm)	I.D. (mm)	Length (mm)	Packed in Lots of
S-5-500-SQTZ-7	500	4.97 ± 0.013	4.20 ± 0.025	178	1
S-5-500-SQTZ-8	500	4.97 ± 0.013	4.20 ± 0.025	203	1
S-5-600-SQTZ-7	600	4.97 ± 0.006	4.20 ± 0.012	178	1
S-5-600-SQTZ-8	600	4.97 ± 0.006	4.20 ± 0.012	203	1

Suprasil® Quartz EPR Sample Tubes

Recommended for UV catalyzed reactions in the region at and above 190nm. Provides greater reduction of background noise than natural quartz and is used primarily in studies where greater signal sensitivity is needed. Supplied with tapered fluoropolymer caps.

Item No.	O.D. (mm)	I.D. (mm)	Wall (mm)	Length (mm)	Packed in Lots of
S-4-EPRSQ-250S	4.0	3.0	0.50	250	1
S-4-EPRSQ-250P	3.98 ± 0.015	2.95 ± 0.025	0.51	250	1
S-5-EPRSQ-250S	5.0	4.0	0.50	250	1
S-5-EPRSQ-178P	4.97 ± 0.013	3.98 ± 0.08	0.50	178	1
S-5-EPRSQ-200P	4.97 ± 0.013	3.98 ± 0.08	0.50	200	1
S-5-EPRSQ-250P	4.97 ± 0.013	3.98 ± 0.08	0.50	250	1



S-5-500-SQTZ