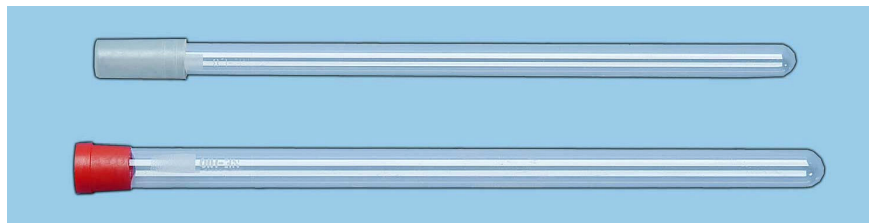


LARGE VOLUME NMR SAMPLE TUBES

REFERENCE NOTE

All large volume NMR sample tubes are made of Type 1, Class A Borosilicate glass (Pyrex or equivalent), except as noted.



8mm NMR SAMPLE TUBES (0.3145 - 0.3150" OD) ROUND BOTTOM

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|--------------------|-----------|--------|------------------------|------------|------------------------|
| NE-L8-7 NE-L8-8 | 100-300 | 0.50mm | 0.003" | 0.002" | 7"(178mm) 8"(203mm) |
| NE-H8-7 NE-H8-7 | 400 -500 | 0.50mm | 0.0015" | 0.001" | 7"(178mm) 8"(203mm) |

10mm NMR SAMPLE TUBES (0.3932 - 0.3937" OD) ROUND BOTTOM

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|----------------------|-----------|--------|------------------------|------------|------------------------|
| NE-L10-7 NE-L10-8 | 100 - 300 | 0.50mm | 0.003" | 0.002" | 7"(178mm) 8"(203mm) |
| NE-H10-7 NE-H10-8 | 400 -500 | 0.46mm | 0.0015" | 0.001" | 7"(178mm) 8"(203mm) |
| NE-U10-7 NE-U10-8 | 600+ | 0.46mm | 0.001" | 0.0005" | 7"(178mm) 8"(203mm) |
| NE-H10-MW-7 | 400 | 1.00mm | 0.0015" | 0.001" | 7"(178mm) |
| NE-H10-HW-7 | 400 | 1.7mm | 0.003" | 0.001" | 7"(178mm) |

HIGH TEMPERATURE / UV STUDIES

These 10mm NMR sample tubes are made of Clear Fused Quartz, 99.8% SiO₂. Quartz tubes are useful in applications requiring temperatures above 150°C and in studies requiring UV irradiation (>80% above 255 nm). With a composition containing 0-0.1 ppm Boron, by weight, these tubes have been helpful in studying this nucleus.

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|----------------|-----------|--------|------------------------|------------|-----------|
| NE-MQ10-7 | 200 | 0.50mm | 0.003" | 0.002" | 7"(178mm) |
| NE-HQ10-7 | 300 -500 | 0.50mm | 0.0015" | 0.001" | 7"(178mm) |

LARGE VOLUME NMR SAMPLE TUBES

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15mm NMR SAMPLE TUBES (0.5900 - 0.5910" OD) ROUND BOTTOM

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|------------------------|-----------|------------------|------------------------|------------|-----------|
| NE-L15-7 NE-L15-M-7 | 200-400 | 0.70mm 1.30mm | 0.002" 0.003" | 0.001" | 7"(178mm) |

16mm NMR SAMPLE TUBES (0.6294 - 0.6304" OD) ROUND BOTTOM

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|----------------------|-----------|--------|------------------------|------------|------------------------|
| NE-L16-7 NE-L16-8 | 200-400 | 0.72mm | 0.002" | 0.001" | 7"(178mm) 8"(203mm) |

Note: 20-30mm OD sample tubes are suitable for imaging applications. Lengths and Bottom Style are optional.

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|----------------------|-----------|--------|------------------------|------------|------------------------|
| NE-L20-7 NE-L20-8 | 200 - 400 | 0.80mm | 0.002" | 0.001" | 7"(178mm) 8"(203mm) |

25mm NMR SAMPLE TUBES (0.9838 - 0.9848" OD) FLAT BOTTOM

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|----------------------|-----------|--------|------------------------|------------|------------------------|
| NE-L25-7 NE-L25-8 | 200-400 | 0.90mm | 0.002" | 0.001" | 7"(178mm) 8"(203mm) |

27mm NMR SAMPLE TUBES (1.0625 - 1.0635" OD) FLAT BOTTOM

| CATALOG NUMBER | Usage MHz | Wall | Maximum Wall Variation | Camber TIR | Length |
|----------------------|-----------|--------|------------------------|------------|------------------------|
| NE-L27-7 NE-L27-8 | 200-400 | 0.90mm | 0.002" | 0.001" | 7"(178mm) 8"(203mm) |

30mm NMR SAMPLE TUBES (1.18 ± 0.02" OD) ROUND OR FLAT BOTTOM

| CATALOG NUMBER | Usage | OD | Wall | Length |
|----------------|---------|----------|-------|----------|
| NE-SL30 | Imaging | 30±0.5mm | 1.4mm | optional |