

NMR Tubes + Accessories 2022

5 mm NMR Tube 5.1 (ASTM Type 1 Class B glass) *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|--------------|-------------------|---------------------|---------------------------------|--------------------------|---------------|--------------|------------------|
| Boro-5-103,5 | 4,950 \pm 0,030 | 0,43 | 25 | 75 | 4 | 100 | 0,83 |
| Boroeco-5-7 | 4,950 \pm 0,030 | 0,43 | 25 | 75 | 7 | 100 | 0,83 |
| Boroeco-5-8 | 4,950 \pm 0,030 | 0,43 | 25 | 75 | 8 | 100 | 0,99 |
| Boro300-5-7 | 4,950 \pm 0,020 | 0,43 | 7 | 25 | 7 | 5 | 1,95 |
| Boro300-5-8 | 4,950 \pm 0,020 | 0,43 | 7 | 25 | 8 | 5 | 2,10 |
| Boro400-5-7 | 4,950 \pm 0,015 | 0,43 | 7 | 13 | 7 | 5 | 2,70 |
| Boro400-5-8 | 4,950 \pm 0,015 | 0,43 | 7 | 13 | 8 | 5 | 2,90 |
| Boro500-5-7 | 4,950 \pm 0,015 | 0,43 | 5 | 13 | 7 | 5 | 4,15 |
| Boro500-5-8 | 4,950 \pm 0,015 | 0,43 | 5 | 13 | 8 | 5 | 4,45 |
| Boro600-5-7 | 4,950 \pm 0,010 | 0,43 | 4 | 4 | 7 | 5 | 6,25 |
| Boro600-5-8 | 4,950 \pm 0,010 | 0,43 | 4 | 4 | 8 | 5 | 6,75 |
| Boro800-5-7 | 4,950 \pm 0,005 | 0,43 | 3 | 3 | 7 | 5 | 10,45 |
| Boro800-5-8 | 4,950 \pm 0,005 | 0,43 | 3 | 3 | 8 | 5 | 11,50 |



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5 mm NMR Tube 3.3 (ASTM Type 1 Class A glass) fig.1 *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|-------------|-------------------|---------------------|---------------------------------|--------------------------|---------------|--------------|------------------|
| D-5-103,5 | 4,950 \pm 0,030 | 0,38 | 25 | 75 | 4 | 100 | 1,02 |
| D200-5-7 | 4,950 \pm 0,030 | 0,38 | 25 | 25 | 7 | 100 | 1,95 |
| D200-5-8 | 4,950 \pm 0,030 | 0,38 | 25 | 25 | 8 | 100 | 2,25 |
| D200-5-9 | 4,950 \pm 0,030 | 0,38 | 25 | 25 | 9 | 100 | 2,80 |
| D300-5-7 | 4,950 \pm 0,020 | 0,38 | 7 | 25 | 7 | 5 | 3,00 |
| D300-5-8 | 4,950 \pm 0,020 | 0,38 | 7 | 25 | 8 | 5 | 3,30 |
| D300-5-9 | 4,950 \pm 0,020 | 0,38 | 7 | 25 | 9 | 5 | 3,95 |
| D400-5-7 | 4,950 \pm 0,015 | 0,38 | 7 | 13 | 7 | 5 | 4,65 |
| D400-5-8 | 4,950 \pm 0,015 | 0,38 | 7 | 13 | 8 | 5 | 5,00 |
| D400-5-9 | 4,950 \pm 0,015 | 0,38 | 7 | 13 | 9 | 5 | 5,70 |
| D500-5-7 | 4,950 \pm 0,015 | 0,38 | 5 | 13 | 7 | 5 | 5,70 |
| D500-5-8 | 4,950 \pm 0,015 | 0,38 | 5 | 13 | 8 | 5 | 6,15 |
| D500-5-9 | 4,950 \pm 0,015 | 0,38 | 5 | 13 | 9 | 5 | 7,20 |
| D600-5-7 | 4,950 \pm 0,010 | 0,38 | 5 | 7 | 7 | 5 | 10,35 |
| D600-5-8 | 4,950 \pm 0,010 | 0,38 | 5 | 7 | 8 | 5 | 11,50 |
| D600-5-9 | 4,950 \pm 0,010 | 0,38 | 5 | 7 | 9 | 5 | 13,10 |



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5 mm NMR Tube 5.1 (ASTM Type 1 Class B glass) Wall Thickness: 0,40 *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|------------------|-------------------|---------------------|---------------------------------|--------------------------|---------------|--------------|------------------|
| Boroeco-5-7-plus | 4,950 \pm 0,030 | 0,40 | 25 | 75 | 7 | 100 | 0,95 |
| Boro400-5-7-plus | 4,950 \pm 0,015 | 0,40 | 7 | 13 | 7 | 5 | 3,05 |
| Deuquant-5-7 | 4,966 \pm 0,004 | 0,40 | 4 | 4 | 7 | 5 | 7,80 |

* These tubes are available with sandblasted field. Additional charge per tube 0,15 €

5 mm NMR Tube Amber 5.1 (ASTM Type 1 Class B glass) *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|-----------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Boro300-5-7-amb | 4,950±0,020 | 0,43 | 7 | 25 | 7 | 5 | 20,50 |
| Boro400-5-7-amb | 4,950±0,015 | 0,43 | 7 | 13 | 7 | 5 | 21,50 |
| Boro500-5-7-amb | 4,950±0,015 | 0,43 | 5 | 13 | 7 | 5 | 22,50 |



5 mm NMR Tube Amber 3.3 (ASTM Type 1 Class A glass) *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|--------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| D300-5-7-amb | 4,950±0,020 | 0,38 | 7 | 25 | 7 | 5 | 23,50 |
| D400-5-7-amb | 4,950±0,015 | 0,38 | 7 | 13 | 7 | 5 | 25,00 |
| D500-5-7-amb | 4,950±0,015 | 0,38 | 5 | 13 | 7 | 5 | 27,00 |

5 mm NMR Tube Quartz Glass (Silicon dioxide SiO2) *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|-------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Qtz300-5-7 | 4,950±0,030 | 0,38 | 7 | 25 | 7 | 5 | 24,00 |
| Qtz500-5-7 | 4,950±0,015 | 0,38 | 5 | 13 | 7 | 5 | 29,00 |



5 mm NMR Tube 3.3 with Screw Cap (septum or closed top) fig.2 *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|-------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Ds300-5-7 | 4,950±0,020 | 0,38 | 7 | 25 | 7 | 5 | 15,10 |
| Ds300-5-7-s | 4,950±0,020 | 0,38 | 7 | 25 | 7 | 5 | 15,10 |
| Ds500-5-7 | 4,950±0,015 | 0,38 | 5 | 13 | 7 | 5 | 18,30 |
| Ds500-5-7-s | 4,950±0,015 | 0,38 | 5 | 13 | 7 | 5 | 18,30 |
| Screwcap | closed top | | | | | 1 | 0,50 |
| Screwcap-s | septum top | | | | | 1 | 0,50 |



5 mm NMR Tube 5.1 with Constriction fig.3 *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|--------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Boroc300-5-7 | 4,950±0,020 | 0,43 | 7 | 25 | 8 | 5 | 2,50 |
| Boroc400-5-7 | 4,950±0,015 | 0,43 | 7 | 13 | 8 | 5 | 5,90 |
| Boroc500-5-7 | 4,950±0,015 | 0,43 | 5 | 13 | 8 | 5 | 8,00 |



5 mm NMR Tube 3.3 with PTFE Valve fig.4 *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|-------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| ptfe300-5-7 | 4,950±0,020 | 0,38 | 7 | 25 | 7 | 1 | 78,00 |
| ptfe300-5-8 | 4,950±0,020 | 0,38 | 7 | 25 | 8 | 1 | 80,00 |
| ptfe500-5-7 | 4,950±0,015 | 0,38 | 5 | 13 | 7 | 1 | 83,00 |
| ptfe500-5-8 | 4,950±0,015 | 0,38 | 5 | 13 | 8 | 1 | 85,00 |



5 mm NMR Tube 5.1 Benchtop *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (μm) | Camber (μm) | Length (inch) | Packing unit | Price per tube € |
|--------------|-------------|---------------------|--------------------|-------------|---------------|----------------|------------------|
| Benchtop-5-7 | 4,950±0,040 | 0,43 | 25 | 75 | 7 | 100 on request | |

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5 mm NMR Tube 3.3 Complete (Coaxial System complete, 3 mm Insert Tube) fig.5

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (µm) | Camber (µm) | Length (inch) | Packing unit | Price per tube € |
|----------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Complete-5-3-7 | 4,950±0,020 | 0,38 | 5 | 13 | 8 | 5 | 34,50 |

5 mm NMR Tube 3.3 Coaxial (b=Bruker, v=Varian)

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (µm) | Camber (µm) | Length (inch) | Packing unit | Price per tube € |
|----------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Coaxialb-5-7 | 3,950±0,020 | 0,38 | 7 | 25 | 8 | 5 | 37,50 |
| Coaxialv-5-7 | 3,950±0,020 | 0,38 | 7 | 25 | 8 | 5 | 37,50 |
| Coaxial-5-7-ot | 4,950±0,020 | 0,38 | 7 | 25 | 8 | 5 | 2,95 |

PTFE Liner (for 5 mm NMR Tube) fig. 6

| Item number | O.D.: 4 mm | Length (inch) | Packing unit | Price per tube € |
|-------------|------------|---------------|--------------|------------------|
| DTL-5-4-7 | | 8 | 5 | 17,20 |

3 mm NMR Tube 3.3 (ASTM Type 1 Class A glass) *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (µm) | Camber (µm) | Length (inch) | Packing unit | Price per tube € |
|-------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| D-3-103,5 | 2,970±0,030 | 0,30 | 25 | 75 | 4 | 100 | 1,90 |
| Deco-3-7 | 2,970±0,030 | 0,30 | 25 | 75 | 7 | 50 | 1,95 |
| D300-3-7 | 2,970±0,020 | 0,30 | 7 | 25 | 7 | 5 | 7,25 |
| D600-3-7 | 2,970±0,010 | 0,30 | 4 | 4 | 7 | 5 | 10,40 |
| D800-3-7 | 2,970±0,005 | 0,30 | 3 | 3 | 7 | 5 | 15,70 |

10 mm NMR Tube 5.1 (ASTM Type 1 Class B glass) fig.7 *

| Item number | O.D. (mm) | Wall thickness (mm) | Concentricity (µm) | Camber (µm) | Length (inch) | Packing unit | Price per tube € |
|--------------|-------------|---------------------|--------------------|-------------|---------------|--------------|------------------|
| Boroeco-10-7 | 9,950±0,030 | 0,60 | 254 | 51 | 7 | 100 | 2,05 |
| Boroeco-10-8 | 9,950±0,030 | 0,60 | 254 | 51 | 8 | 100 | 2,60 |
| Boro300-10-7 | 9,970±0,020 | 0,60 | 76 | 38 | 7 | 3 | 9,35 |
| Boro300-10-8 | 9,970±0,020 | 0,60 | 76 | 38 | 8 | 3 | 10,40 |
| Boro500-10-7 | 9,970±0,010 | 0,60 | 38 | 13 | 7 | 3 | 13,55 |
| Boro500-10-8 | 9,970±0,010 | 0,60 | 38 | 13 | 8 | 3 | 15,25 |

NMR Caps 5 mm fig. 8

| Item number | Color | Packing unit | Price per unit € |
|-------------|--|--------------|------------------|
| caps-5-100 | (random color) | 100 | 8,00 |
| caps-5-100- | a (aqua) b (blue) o (orange) r (red) | 100 | 8,00 |
| | y (yellow) f (fuchsia) pk (pink) s (sky) | | |
| | bk (black) g (green) p (purple) w (white) | | |
| | as (assorted) | | |

NMR Caps 5 mm PTFE

| Item number | Packing unit | Price per unit € |
|-----------------|--------------|------------------|
| caps-5-10-ptfe | 10 | 30,00 |
| caps-5-100-ptfe | 100 | 205,00 |

* These tubes are available with sandblasted field. Additional charge per tube 0,15 €



NMR Caps 3 mm

| Item number | Packing unit | Price per unit € |
|-------------|--------------|------------------|
| caps-3-100 | 100 | 8,00 |



NMR Caps 10 mm

| Item number | Packing unit | Price per unit € |
|-------------|--------------|------------------|
| caps-10-100 | 100 | 9,00 |



NMR Accessories

| Item number | | fig. | Packing unit | Price per unit € |
|--------------|--|---------|--------------|------------------|
| nmrrack | NMR Tube Rack for 72 Tubes (5 mm) | fig. 9 | 1 | 39,00 |
| washer | NMR Tube Washer, ground joint NS 29/32 | fig. 10 | 1 | 91,40 |
| pipe170 | Pipettebrush 170 mm | fig. 11 | 80 | 2,30 |
| pipe300 | Pipettebrush 300 mm | fig. 11 | 50 | 4,50 |
| vial-1,5 | Vials with closure red rubber/ptfe (sandblasted field) | fig. 12 | 100 | 19,90 |
| brush | NMR Brush for 5 mm Tubes | fig. 13 | 1 | 4,80 |
| torch | Micro Torch 85 mm x 143 mm x 46 mm | fig. 14 | 1 | 92,40 |
| pasteur150 | Pasteur Pipettes 150 mm | | 250 | 9,20 |
| pasteur230 | Pasteur Pipettes 230 mm | | 250 | 9,90 |
| pasteur310 | Pasteur Pipettes 310 mm | | 250 | 29,90 |
| bulbgrey | Pipette Bulbs grey, 2ml | fig. 15 | 1 | 1,45 |
| needle08x120 | Disposable Needles with Luer tip 0,8 x 120 mm | fig. 16 | 100 | 25,20 |
| needle09x70 | Disposable Needles with Luer tip 0,9 x 70 mm | fig. 16 | 100 | 7,25 |
| needle08x40 | Disposable Needles with Luer tip 0,8 x 40 mm | fig. 16 | 100 | 3,40 |
| spatel | NMR Spatula | fig. 17 | 1 | 4,40 |
| syr1 | 2-Part Disposable Syringes with Luer tip 1 ml | fig. 16 | 100 | 9,60 |
| syr2 | 2-Part Disposable Syringes with Luer tip 2 ml | fig. 16 | 100 | 4,40 |
| syr5 | 2-Part Disposable Syringes with Luer tip 5 ml | fig. 16 | 100 | 6,80 |
| syr10 | 2-Part Disposable Syringes with Luer tip 10 ml | fig. 16 | 100 | 9,40 |
| syr20 | 2-Part Disposable Syringes with Luer tip 20 ml | fig. 16 | 100 | 12,60 |
| ballon | Rubber Ballon | fig. 18 | 1 | 36,75 |
| stopfen14 | Stoppers NS 14 | fig. 19 | 1 | 0,75 |
| stopfen29 | Stoppers NS 29 | fig. 19 | 1 | 3,50 |
| funnel | NMR Funnel | fig. 20 | 1 | 12,50 |
| heatblock | NMR Tube Heating Block | | 1 | 379,00 |
| ptfeband | PTFE Tape | fig. 21 | 1 | 1,60 |



The prices are in Euro, local or state taxes and transportation costs are not included.

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