

**NEW**

*Wilmad Sets the Standard*









## Small Volume NMR Tube

*when small volume NMR meets automation*

Recent advances in biological and life sciences place a high demand for sample miniaturization along with measurement automation in Nuclear Magnetic Resonance (NMR) experiments. Leading instrument providers, such as Bruker® and Varian®, answered this challenge by designing several new instruments. These products include but are not limited to Bruker's NMR Case, B-ACS, MATCH, SampleJet System for automation and 1.7 mm MicroCryoProbe, 3 mm CryoProbe, 2.5 mm MicroProbe, most recently 1.0 mm MicroProbe for small volume NMR; Varian's most recent 7510-AS, 7600-AS and popular 768-AS series system for automation and ColdProbe for sensitivity enhancement.

Wilmad-LabGlass®, the world's leading provider in NMR and EPR consumables and accessories, has been manufacturing small volume NMR Tubes with the highest quality in the industry to meet this demand. Our Ultra-High Field MicroProbe Tube (>600 MHz) is 10 times more precise in terms of camber and concentricity than instrument manufacturers' stock tubes. This technological advancement helps increase the shimming quality and SNR.

### Highlights:

-  Ultra-High Field MicroProbe Tube for experiments over 600 MHz
-  Both automatic and manual loading tubes are available
-  Meet the probe dimensions from each manufacturer
-  Decrease the volume of sample by up to 25 fold vs. traditional liquid-phase NMR with 5 mm O.D. tubes
-  Significantly reduces salt effect
-  Special stem modifications can be requested



Quality Manufactured  
in the USA  
ISO 9001:2000 Certified  
An SP Industries Company

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TODAY**

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**On Line:**

**[www.Wilmad-LabGlass.com](http://www.Wilmad-LabGlass.com)  
[cvineland@wilmad-labglass.com](mailto:cvineland@wilmad-labglass.com)**

## Bruker® MicroProbe/MicroCryoProbe Sample Tubes

(Stem Style, Upper O.D. = 5.0 mm, Length = 8 inch)



Product No	Probe Type	MHz Rating	Stem O.D. (mm)	Stem I.D. (mm)	Stem Volume (µL)	Overall Length (inch)	Price Each
620-1A	Bruker 1.0 mm MicroProbe	500	1.0	0.8	25	8	\$23.55
620-1B	Bruker 1.7 mm MicroCryoProbe	500	1.7	1.3	66	8	\$23.55
520-1A	Bruker 2.5 mm MicroProbe	800	2.5	2.16	183	8	\$36.77
620-1E	Bruker 3.0 mm CryoProbe	500	2.95	2.41	228	8	\$23.10

## Sample Tubes for Automatic Sample Changer and Bruker® MATCH® System

(Three Styles, Length = 4 inch)

Capillary Style (O.D.&lt;4.0 mm, Length=4 inch)



Product No	Probe Type	MHz Rating	Loading Robot	O.D. (mm)	I.D. (mm)	Overall Length (inch)	Tubes Qty.	Price Each Package
620-2E	Bruker 3.0 mm CryoProbe	800	SampleJet	3.0	2.42	4	1	\$13.10
620-2F	Bruker 2.5 mm MicroProbe	500	SampleJet	2.5	2.16	4	10	\$21.50
620-2B	Bruker 1.7 mm MicroCryoProbe	500	SampleJet	1.7	1.3	4	10	\$19.75
620-2A	Bruker 1.0 mm MicroProbe	500	SampleJet	1.0	0.8	4	10	\$19.00

Stem Style (Upper O.D.=5.0 mm, Length=4 inch)



Non-Stem Style (O.D.=5.0 mm, Length=4 inch)



Product No	MHz Rating	Stem Length (mm)	Stem O.D. (mm)	Stem I.D. (mm)	Overall Length (inch)	Price Each
620-1D	500	50.0	2.95	2.41	4	\$26.25
620-1F	500	43.5	2.95	2.41	4	\$26.25
620-1G	500	43.5	2.00	1.60	4	\$26.25
620-1H	500	43.5	1.70	1.30	4	\$25.25

Product No	MHz Rating	O.D. (mm)	I.D. (mm)	Wall Thickness (mm)	Price Each
528-PP-4VAR	500	4.97	4.21	0.38	\$12.77
524-PP-4VAR	400	4.97	3.43	0.77	\$14.57
522-PP-4VAR	400	4.97	2.16	1.4	\$15.97

## Varian® ColdProbe 2.5 mm O.D. Sample Tubes



Product No	Probe Type	MHz Rating	O.D. (mm)	I.D. (mm)	Length (inch)	Tubes Qty.	Price Each Package
WG-1364-2.5A-203M	Varian ColdProbe	400	2.50	2.20	8	5	\$8.15