QUICK REFERENCE GUIDE TO EURISO-TOP'S SOLVENT PACKAGING SIZES

EURISO-TOP offers the widest variety of Deuterated Solvents for your NMR needs. Use this handy guide to determine the available package size for our most popular solvents.

Ref #	Solvent	0.6 ml	0.75 ml	1 ml	5 ml	10 ml	25 ml	100 ml	100 g	500 ml	1000 ml
D012	Acetic Acid-d_4; 99.5% D		BB			EA					
D041	Acetic Acid-d_4 "100%" (>99.91%D)		BB								
D009	Acetone-d_6; 99.8%D	T	B			ES,FE	F	H			
D038	Acetone-d_6 "100%" (>99.96%D)		B								
D338	Acetone-d_6 "100%" (>99.96%D) w/ 0.03%TMS		B								
D021	Acetonitrile-d_3; 99.8%D		B		FD	FE,EAS					
D044	Acetonitrile-d_3 "100%" (>99.96%D)		BB								
D344	Acetonitrile-d_3 "100%" (>99.96%D) w/ 0.03%TMS		BB								
D050	Acetonitrile-d_3, LC-NMR, 96-97%;D_2O:10-20%										L
D001	Benzene-d_6; 99.5%D		B			FE,ES	F	H			
D040	Benzene-d_6 "100%" (>99.96%D)		B								
D006	Chloroform-d; 99.5%D							H		K	
D007	Chloroform-d; 99.8%D	T	B			FE	F	H,HAg	Z	K	L
D213	Chloroform-d; 99.8%D w/ 1%TMS							H			
D307	Chloroform-d; 99.8%D w/ 0.03%TMS						F	H			
D029	Chloroform-d "100%" (>99.96%D)	T	B				F				
D329	Chloroform-d "100%"(>99.96%D) w/ 0.03%TMS	T	B				F				
D017	Cyclohexane-d_{12}; 99.5%D		BB		FD						
D214	Deuterium oxide; 99.9%D		B				F,FS	H		K	L
D215	Deuterium oxide"100%" (>99.96%D)	T	B			ES	F	H		K	
D220	1,2 Dichlorobenzene-d_4; 99%D				FD						
D222	1,4 Dichlorobenzene-d_4; 99%D				5g						
D110	N,N-Dimethylformamide-d_7; 99.5%D		BB		FD						
D010	Dimethylsulfoxide-d_6; 99.8%D	T	B			FE,ES	F	H			
D310	Dimethylsulfoxide-d_6; 99.8%D w/ 0.03%TMS		B			ES	F	H			
D610	Dimethylsulfoxide-d_6; 99.8%D w/ 0.06%TMS		B				F				
D031	Dimethylsulfoxide-d_6; 99.9%D **NEW**	T					F	H			
D034	Dimethylsulfoxide-d_6"100%" (>99.96%D)	T	B		FD	EAS					
D334	Dimethylsulfoxide-d_6"100%" (>99.96%D) w/ 0.03%TMS		B								
D112	Dioxane-d_8; 99%D			CB							
D114	Ethanol-d_6 anhydrous; 99%D			CB	FD						
D052	Hexafluoroisopropanol-d_2; 99%D			CB	FD						
D015	Methanol-d_1; 99%D						F				
D047	Methanol-d_3; 99.8%D		B		FD						
D024	Methanol-d_4; 99.8%D	T	B			FE,ES	F	H			
D324	Methanol-d_4; 99.8%D w/ 0.03%TMS		B			FE					
D048	Methanol-d_4"100%" (>99.96%D)	T	B		FD						
D348	Methanol-d_4"100%" (>99.96%D) w/ 0.03%TMS		BB								
D023	Methylene Chloride-d_2; 99.6%D	T	B			FE	F				
D049	Methylene Chloride-d_2"100%" (>99.96%D)		BB								
D013	Pyridine-d_5; 99.5%D	T	B			FE	F				
D039	Pyridine-d_5"100%" (>99.96%D)		BB								
D218	Tetrachloroethane-d_2; 99.6%D					FE	F				
D149	Tetrahydrofuran-d_8; 99.5%D		BB	CB		FE					
D005	Toluene-d_8; 99.6%D		BB		FD	FE	F				
D042	Toluene-d_8"100%" (>99.96%D)		BB								
D022	Trifluoroacetic Acid-d_1; 99.7%D		BB			EA					
D208	Trifluoroethyl Alcohol -d_2; 99%D		BB								
D027	Trifluoroethyl Alcohol -d_3; 99%D		BB								
D206	Deuterated Molecular Sieves 3A; 99.8%D				5g						
D207	Deuterated Molecular Sieves 4A; 99.8%D				5g						

Packaging Size

T = 10 x 0.6ml
B = 10 x 0.75ml
BB = 2 x 0.75ml
CB = 2 x 1ml
FD = 1 x 5ml
E = 5 x 10ml
FE,EA = 1 x 10ml
F = 1 x 25ml
H = 1 x 100ml
K = 1 x 500ml
L = 1 x 1000ml
S = Septum (Teflon)
Z = 100g
HAg = 100ml + Silver

euriso-top®

your supplier of NMR Deuterated Solvents

NMR SOLVENT DATA CHART

The ^1H spectra of the residual protons and ^{13}C spectra were obtained on a Varian Gemini 200 spectrometer at 295°K. The NMR solvents used to acquire these spectra contain a maximum of 0.05% and 1.0% TMS (v/v) respectively. Since deuterium has a spin of 1, triplets arising from coupling to deuterium have the intensity ratio of 1:1:1. 'm' denotes a broad peak with some fine structures. It should be noted that chemical shifts, can be dependent on solvent, concentration and temperature.

Approximate values only, may vary with pH, concentration and temperature.

Melting and boiling points are those of the corresponding unlabeled compound (except for D_2O). These temperature limits can be used as a guide to determine the useful liquid range of the solvents. Information gathered from the Merck Index - Eleventh Edition.

SOLVENT	^1H Chemical Shift (ppm from TMS) (multiplicity)	JHD (Hz)	Carbon-13 Chemical Shift (ppm from TMS) (multiplicity)	JCD (Hz)	^1H Chemical Shift of HOD (ppm from TMS)	Density at 20°C	Melting point (°C)	Boiling point (°C)	Dielectric Constant	Molecular Weight
Acetic Acid-d_4	11.65 (1) 2.04 (5)	 2.2	178.99 (1) 20.0 (7)	 20	11.5	1.12	16.7	118	6.1	64.08
Acetone-d_6	 2.05 (5)	 2.2	206.68 (1) 29.92 (7)	0.9 19.4	2.8	0.87	-94	56.5	20.7	64.12
Acetonitrile-d_3	 1.94 (5)	 2.5	118.69 (1) 1.39 (7)	 21	2.1	0.84	-45	81.6	37.5	44.07
Benzene-d_6	7.16 (1)		128.39 (3)	24.3	0.4	0.95	5.5	80.1	2.3	84.15
Chloroform-d	7.24 (1)		77.23 (3)	32.0	1.5	1.50	-63.5	61-62	4.8	120.38
Cyclohexane-d_{12}	1.38 (1)		26.43 (5)	19	0.8	0.89	6.47	80.7	2.0	96.24
Deuterium Oxide	4.80 (DSS) 4.81 (TSP)		NA	NA	4.8	1.11	3.81	101.42	78.5	20.03
N, N-Dimethyl -formamide-d_7	8.03 (1) 2.92 (5) 2.75 (5)	 1.9 1.9	163.15 (3) 34.89 (7) 29.76 (7)	29.4 21.0 21.1	3.5	1.03	-61	153	36.7	80.14
Dimethyl Sulfoxide-d_6	2.50 (5)	1.9	39.51 (7)	21.0	3.3	1.19	18.45	189	46.7	84.17
1,4-Dioxane-d_8	3.53 (m)		66.66 (5)	21.9	2.4	1.13	11.8	101.1	2.2	96.16
Ethanol-d_6	5.19 (1) 3.56 (1) 1.11 (m)		 56.96 (5) 17.31 (7)	 22 19	5.3	0.89	-114.1	78.5	24.5	52.11
Methanol-d_4	4.78 (1) 3.31 (5)	 1.7	 49.15 (7)	 21.4	4.9	0.89	-97.8	64.7	32.7	36.07
Methylene Chloride-d_2	5.32 (3)	1.1	54.00 (5)	27.2	1.5	1.35	-95	39.75	8.9	86.95
Pyridine-d_5	8.74 (1) 7.58 (1) 7.22 (1)		150.35 (3) 135.91 (3) 123.87 (3)	27.5 24.5 25	5	1.05	-42	115-116	12.4	84.13
Tetrahydrofuran-d_8	3.58 (1) 1.73 (1)		67.57 (5) 25.37 (5)	22.2 20.2	2.4-2.5	0.99	-108.5	66	7.6	80.16
Toluene-d_8	 7.09 (m) 7.00 (1) 6.98 (5) 2.09 (5)	 2.3	137.86 (1) 129.24 (3) 128.33 (3) 125.49 (3) 20.4 (7)	 23 24 24 19	0.4	0.94	-95	110.6	2.4	100.19
Trifluoroacetic Acid-d	11.50 (1)		164.2 (4) 116.6 (4)		11.5	1.41	-15.4	72.4		115.03
Trifluoroethanol-d_3	5.02 (1) 3.88 (4x3)	 2(9)	126.3 (4) 61.5 (4x5)	 22	5	1.41	-43.3	75		103.06

S Budavari, M.J. O'Neil, A. Smith, P.E. Heckelman, The ***Merck Index***, an Encyclopedia of Chemicals, Drugs, and Biologicals - Eleventh Edition, Merck Co., Inc. Rahway, NJ, 1989.

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