

thermo scientific



Chemicals

AcroSeal extra dry solvents

Your air- and moisture-sensitive solution

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part of Thermo Fisher Scientific

The AcroSeal system: performance, convenience, safety

How to use AcroSeal packaging

AcroSeal™ packaging is easy to use. To get the best results, we recommend the following steps:

1. Puncture the septum
2. Withdraw the required amount
3. Replace the nitrogen blanket
4. Store upright to prevent prolonged product contact with the seal

Advanced tips:

1. Prepare the nitrogen balloon in advance and use two balloons, one inside the other
2. Purge the doubled balloons with nitrogen three times before use
3. Bend the needle to make it easier to use and control
4. Flush each needle and syringe with nitrogen three times before use
5. Use the reaction flask to flush the syringe and needle prior to use

To get the best results from the septum, use 18- to 21-gauge needles and puncture in a clockwise pattern to avoid piercing the septum in the same place.

If you require a large amount of solvent, remove the whole cap under an inert atmosphere and decant the desired amount of product from the bottle.



AcroSeal extra dry solvents

Choose from a wide range of extra dry solvents for moisture-sensitive and biochemistry applications. Deuterated solvents are also available in AcroSeal packaging, offering a low-cost alternative to ampule packaging and reducing the hazards associated with handling ampules.

Available in three different grades:

- Standard grade: Suitable for most applications
- Molecular sieves grade: Stored over molecular sieves for prolonged shelf life
- Supreme grade: Filtered through 0.2 micron filters for dust-free applications

Below is the complete range of Thermo Scientific extra-dry solvents in AcroSeal packaging.

Fisher Scientific Cat. No.	Description	CAS No.	Package Size
AC32680	Acetone, 99.8%, extra dry	67-64-1	100 mL, 1 L
AC32681	Acetonitrile, 99.9%, extra dry	75-05-8	100 mL, 500 mL, 1 L, 2.5 L
AC36431	Acetonitrile, 99.9%, extra dry over molecular sieve	75-05-8	100 mL, 500 mL, 1 L, 2.5 L
AC44839	Acetonitrile, 99.9%, extra dry, package of 4 × 25 mL bottles	75-05-8	100 mL
AC61022	Acetonitrile, 99.9%, extra dry	75-05-8	100 mL, 1 L
AC61096	Acetonitrile, 99.9%, extra dry, anhydrous, SC	75-05-8	100 mL
AC42925	Anisole, 99%, extra dry	100-66-3	100 mL, 1 L
AC39688	Benzyl alcohol, 98+%, extra dry	100-51-6	100 mL, 1 L
AC39721	Bis(2-methoxyethyl) ether, 99+%, extra dry	111-96-6	100 mL, 1 L
AC44310	Bis(2-methoxyethyl) ether, 99+%, extra dry over molecular sieve	111-96-6	100 mL, 1 L
AC39896	1-Butanol, 99+%, extra dry	71-36-3	100 mL, 1 L
AC61025	1-Butanol, 99.4%, extra dry	71-36-3	100 mL
AC61026	sec-Butanol, 99+%, extra dry	78-92-2	100 mL, 1 L
AC39695	2-Butanone, 99.5%, extra dry	78-93-3	100 mL, 1 L
AC42923	n-Butyl acetate, 99+%, extra dry	123-86-4	100 mL, 1 L
AC37521	tert-Butyl methyl ether, 99+%, extra dry	1634-04-4	100 mL, 1 L

Fisher Scientific Cat. No.	Description	CAS No.	Package Size
AC37522	tert-Butyl methyl ether, 99+%, extra dry over molecular sieve	1634-04-4	100 mL, 1 L
AC61027	tert-Butyl methyl ether, 99.0%, extra dry	1634-04-4	100 mL
AC39697	Chlorobenzene, 99.8%, extra dry	108-90-7	100 mL, 1 L
AC44300	Chlorobenzene, 99.5%, extra dry over molecular sieve	108-90-7	100 mL, 1 L
AC43382	1-Chlorobutane, 99.5%, anhydrous	109-69-3	100 mL, 1 L
AC32682	Chloroform, 99.9%, extra dry, stabilized	67-66-3	100 mL, 1 L, 2.5 L
AC36432	Chloroform, 99.9%, extra dry over molecular sieve, stabilized	67-66-3	100 mL, 500 mL, 1 L, 2.5 L
AC61028	Chloroform, 99.9%, extra dry, stabilized	67-66-3	100 mL
AC32683	Cyclohexane, 99.5%, extra dry	110-82-7	100 mL, 1 L, 2.5 L
AC36466	Cyclohexane, 99.5%, extra dry over molecular sieve	110-82-7	100 mL, 500 mL, 1 L, 2.5 L
AC61029	Cyclohexane, 99.0%, extra dry	110-82-7	100 mL
AC39768	Cyclopentane, 95+%, extra dry	287-92-3	100 mL, 1 L
AC39725	Cyclopentyl methyl ether, 99.5%, extra dry, stabilized	5614-37-9	100 mL, 1 L
AC40617	Decahydronaphthalene, 99%, mixture of cis and trans, anhydrous	91-17-8	100 mL, 1 L
AC43460	Decane, 99%, anhydrous	124-18-5	100 mL, 1 L
AC39691	Di-n-butyl ether, 99+%, extra dry	142-96-1	100 mL, 1 L, 2.5 L
AC39696	1,2-Dichlorobenzene, 98+%, extra dry	95-50-1	100 mL, 1 L
AC32684	1,2-Dichloroethane, 99.8%, extra dry	107-06-2	100 mL, 1 L, 2.5 L
AC44301	1,2-Dichloroethane, 99.5%, extra dry over molecular sieve	107-06-2	100 mL, 1 L
AA47352	Dichloromethane, anhydrous, 99.7+%, packaged under argon, stabilized with amylene	75-09-2	250 mL, 1 L, 4 x 1 L
AC32685	Dichloromethane, 99.9%, extra dry, stabilized	75-09-2	100 mL, 1 L, 2.5 L
AC34846	Dichloromethane, 99.8%, extra dry over molecular sieve, stabilized	75-09-2	100 mL, 500 mL, 1 L, 2.5 L
AC44837	Dichloromethane, 99.9%, extra dry, stabilized, package of 4 x 25 mL bottles	75-09-2	100 mL
AC61030	Dichloromethane, 99.9%, extra dry	75-09-2	1 L
AC61093	Dichloromethane, extra dry, anhydrous, SC	75-09-2	100 mL
AC43613	Diethyl carbonate, 99%, anhydrous	105-58-8	100 mL, 1 L
AC32686	Diethyl ether, 99.5%, extra dry, stabilized	60-29-7	100 mL, 1 L, 2.5 L
AC36433	Diethyl ether, 99.5%, extra dry over molecular sieve, stabilized	60-29-7	100 mL, 500 mL, 1 L, 2.5 L
AC44842	Diethyl ether, 99.5%, extra dry, stabilized, package of 4 x 25 mL bottles	60-29-7	100 mL
AC37523	N,N-Dimethylacetamide, 99.5%, extra dry over molecular sieve	127-19-5	100 mL, 1 L
AC39635	N,N-Dimethylacetamide, 99.5%, extra dry	127-19-5	100 mL, 1 L, 2.5 L
AC61031	N,N-Dimethylacetamide, 99.8%, extra dry	127-19-5	100 mL
AC42873	Dimethyl carbonate, 99+%, extra dry	616-38-6	100 mL, 1 L
AA47390	N,N-Dimethylformamide, anhydrous, 99.8%, packaged under argon	68-12-2	4 x 100 mL, 100 mL, 1 L, 4 x 1 L
AC32687	N,N-Dimethylformamide, 99.8%, extra dry	68-12-2	100 mL, 1 L, 2.5 L
AC34843	N,N-Dimethylformamide, 99.8%, extra dry over molecular sieve	68-12-2	100 mL, 500 mL, 1 L, 2.5 L
AC44838	N,N-Dimethylformamide, 99.8%, extra dry, package of 4 x 25 mL bottles	68-12-2	100 mL
AC61032	N,N-Dimethylformamide, 99.8%, extra dry	68-12-2	100 mL, 1 L
AC61094	N,N-Dimethylformamide, 99.8%, extra dry, anhydrous, SC	68-12-2	100 mL
AA47330	Dimethyl sulfoxide, HPLC grade, 99.9+%, packaged under argon	67-68-5	250 mL, 1 L, 4 x 1 L
AA47305	1,4-Dioxane, anhydrous, 99.8%, packaged under argon	123-91-1	100 mL, 1 L, 4 x 1 L
AC32689	1,4-Dioxane, 99.8%, extra dry, stabilized	123-91-1	100 mL, 1 L, 2.5 L
AC36434	1,4-Dioxane, 99.5%, extra dry over molecular sieve	123-91-1	100 mL, 500 mL, 1 L, 2.5 L
AC45017	1,4-Dioxane, 99.8%, extra dry, stabilized, package of 4 x 25 mL bottles	123-91-1	100 mL
AC61512	1,4-Dioxane, 99%, extra dry, anhydrous	123-91-1	100 mL, 1 L
AC43156	1,3-Dioxolane, 99.8%, anhydrous, stabilized with 75 ppm BHT	646-06-0	100 mL, 1 L
AC43459	n-Dodecane, 99%, anhydrous	112-40-3	100 mL, 1 L
AC39769	Ethanol, 99.5%, extra dry, absolute	64-17-5	100 mL, 1 L, 2.5 L
AC32690	Ethyl acetate, 99.9%, extra dry	141-78-6	1 L
AC32690	Ethyl acetate, 99.9%, extra dry	141-78-6	2.5 L
AC32690	Ethyl acetate, 99.9%, extra dry	141-78-6	100 mL
AC36435	Ethyl acetate, 99.9%, extra dry over molecular sieve	141-78-6	100 mL, 1 L, 2.5 L
AC61034	Ethyl acetate, 99.9%, extra dry	141-78-6	100 mL
AC43380	Ethylbenzene, 99.8%, anhydrous	100-41-4	100 mL, 1 L
AC43381	Ethylene glycol, 99.8%, anhydrous	107-21-1	100 mL, 1 L
AC44298	Ethylene glycol dimethyl ether, 99.5%, extra dry over molecular sieve	110-71-4	100 mL, 1 L

Fisher Scientific Cat. No.	Description	CAS No.	Package Size
AC61035	Ethylene glycol dimethyl ether, 99+%, extra dry	110-71-4	100 mL, 1 L
AC42924	Ethyl formate, 98+%, extra dry	109-94-4	100 mL
AC32691	n-Heptane, 99+%, extra dry	142-82-5	100 mL, 1 L
AC36436	n-Heptane, 99+%, extra dry over molecular sieve	142-82-5	100 mL, 1 L, 2.5 L
AC61036	n-Heptane, 96%, extra dry	142-82-5	100 mL
AC43614	n-Hexadecane, 99%, anhydrous	544-76-3	100 mL, 1 L
AC32692	n-Hexane, 96+%, extra dry	110-54-3	100 mL, 1 L, 2.5 L
AC36437	n-Hexane, 97%, extra dry over molecular sieve	110-54-3	100 mL, 500 mL, 1 L, 2.5 L
AC61037	Hexanes, 99.9%, extra dry, mixture of isomers	92112-69-1	100 mL, 1 L
AC43386	Hexyl alcohol, 99%, anhydrous	111-27-3	100 mL, 1 L
AC32696	Isopropanol, 99.8%, extra dry	67-63-0	100 mL, 1 L, 2.5 L
AC36440	Isopropanol, 99.5%, extra dry over molecular sieve	67-63-0	100 mL, 500 mL, 1 L, 2.5 L
AC61043	Isopropanol, 99.5%, extra dry	67-63-0	100 mL
AA47339	Methanol, anhydrous, 99.9%, packaged under argon	67-56-1	250 mL, 1L
AC32695	Methanol, 99.9%, extra dry	67-56-1	100 mL, 1L, 2.5 L
AC36439	Methanol, 99.8%, extra dry over molecular sieve	67-56-1	100 mL, 500 mL, 1L, 2.5L
AC44841	Methanol, 99.9%, extra dry, package of 4 × 25 mL bottles	67-56-1	100 mL
AC61040	Methanol, 99.8%, extra dry	67-56-1	1 L
AC61098	Methanol, 99.8%, extra dry, anhydrous, SC	67-56-1	100 mL
AC39689	2-Methoxyethanol, 99+%, extra dry	109-86-4	100 mL, 1 L
AC37183	Methyl acetate, 99+%, extra dry	79-20-9	100 mL, 1 L, 2.5 L
AC39722	2-Methylbutane, 99+%, extra dry	78-78-4	100 mL, 1 L
AC39724	Methylcyclohexane, 98+%, extra dry	108-87-2	100 mL, 1 L
AC39895	2-Methyl-1-propanol, 99+%, extra dry	78-83-1	100 mL, 1 L
AC32693	1-Methyl-2-pyrrolidinone, 99.5%, extra dry	872-50-4	100 mL, 1 L, 2.5 L
AC36438	1-Methyl-2-pyrrolidinone, 99.5%, extra dry over molecular sieve	872-50-4	100 mL, 500 mL, 1 L, 2.5 L
AC61041	1-Methyl-2-pyrrolidinone, 99.5%, extra dry	872-50-4	100 mL
AC32688	Methyl sulfoxide, 99.7+%, extra dry	67-68-5	100 mL, 1 L, 2.5 L
AC34844	Methyl sulfoxide, 99.7+%, extra dry over molecular sieve	67-68-5	100 mL, 500 mL, 1 L, 2.5 L
AC61042	Methyl sulfoxide, 99.7%, extra dry	67-68-5	100 mL, 1 L
AC61097	Methyl sulfoxide, 99.7%, extra dry, anhydrous, SC	67-68-5	100 mL
AC39662	2-Methyltetrahydrofuran, 99+%, extra dry, stabilized	96-47-9	100 mL, 1 L, 2.5 L
AC39663	2-Methyltetrahydrofuran, 99+%, extra dry over molecular sieve, stabilized	96-47-9	100 mL, 1 L
AC39720	2-Methyltetrahydrofuran, 99+%, extra dry, stabilizer free	96-47-9	100 mL, 1 L
AC43563	n-Nonane, 99%, anhydrous	111-84-2	100 mL
AC39690	n-Octane, 99+%, extra dry	111-65-9	100 mL, 1 L
AC43458	1-Octanol, 99%, anhydrous	111-87-5	100 mL, 1 L
AC39723	n-Pentane, 99+%, extra dry	109-66-0	100 mL, 1 L
AC44299	n-Pentane, 99+%, extra dry over molecular sieve	109-66-0	100 mL, 1 L
AC39692	Petroleum ether, extra dry, boiling range 40 to 60°C, water <50ppm	64742-49-0	100 mL, 1 L
AC39694	1-Propanol, 99.5%, extra dry	71-23-8	100 mL, 1 L
AC42926	Propylene carbonate, 99.5%, anhydrous	108-32-7	100 mL, 800 mL
AA47323	Pyridine, anhydrous, 99.5+%, packaged under argon	110-86-1	100 mL, 1 L
AC33942	Pyridine, 99.5%, extra dry	110-86-1	100 mL, 1 L, 2.5 L
AC36442	Pyridine, 99.5%, extra dry over Molecular Sieve	110-86-1	100 mL, 500 mL, 1 L, 2.5 L
AC61044	Pyridine, 99.0%, extra dry, anhydrous	110-86-1	1 L
AC61099	Pyridine, 99.0%, extra dry, anhydrous, SC	110-86-1	100 mL
AC32697	Tetrahydrofuran, 99.85%, extra dry, stabilized	109-99-9	100 mL, 1 L, 2.5 L
AC34845	Tetrahydrofuran, 99.5%, extra dry over molecular sieve, stabilized	109-99-9	100 mL, 500 mL, 1 L, 2.5 L
AC44836	Tetrahydrofuran, 99.85%, extra dry, stabilized, package of 4 × 25 mL bottles	109-99-9	100 mL
AC45707	Tetrahydrofuran, 99.9%, extra dry, unstabilized	109-99-9	100 mL, 1 L, 2.5 L
AC61045	Tetrahydrofuran, 99.9%, extra dry	109-99-9	1 L
AC61090	Tetrahydrofuran, 99.9%, extra dry, stabilized	109-99-9	1 L
AC61091	Tetrahydrofuran, 99.9%, extra dry, stabilized, anhydrous, SC	109-99-9	100 mL
AC61092	Tetrahydrofuran, 99.9%, extra dry, anhydrous, SC	109-99-9	100 mL
AA47327	Tetrahydrofuran, anhydrous, 99.8+%, BHT-free, over molecular sieves, packed with argon	109-99-9	100 mL, 1 L

Fisher Scientific Cat. No.	Description	CAS No.	Package Size
AA47382	Tetrahydrofuran, anhydrous, 99.8+%, stabilized with 0.025% BHT, packaged under argon	109-99-9	100 mL, 1 L, 4 x 1 L
AA7329	Tetrahydrofuran, spectrophotometric grade, 99.7+%, unstabilized, packaged under argon	109-99-9	250ml, 1 L, 4 x 1 L
AC44308	1,2,3,4-Tetrahydronaphthalene, 99%, Extra Dry	119-64-2	100 mL, 1 L
AC32698	Toluene, 99.85%, extra dry	108-88-3	100 mL, 1 L, 2.5 L
AC36441	Toluene, 99.85%, extra dry over molecular sieve	108-88-3	100 mL, 500 mL, 1 L, 2.5 L
AC44840	Toluene, 99.85%, extra dry, package of 4 x 25 mL bottles	108-88-3	100 mL
AC61046	Toluene, 99.8%, extra dry	108-88-3	1 L
AC61095	Toluene, 99.8%, extra dry, anhydrous, SC	108-88-3	100 mL
AC44303	Trichloroethylene, 99%, extra dry, stabilized	79-01-6	100 mL, 1 L
AC42927	Triethyl orthoformate, 98%, anhydrous	122-51-0	100 mL, 800 mL
AC42928	Trimethyl orthoformate, 99+%, anhydrous	149-73-5	100 mL, 800 mL
AC32694	2,2,4-Trimethylpentane, 99.5%, extra dry	540-84-1	100 mL, 1 L
AC36467	2,2,4-Trimethylpentane, 99.5%, extra dry over Molecular Sieve	540-84-1	100 mL, 1 L
AC44302	o-Xylene, 99%, extra dry	95-47-6	100 mL, 1 L
AC15893	m-Xylene, 99%, extra dry	108-38-3	100 mL, 1 L
AC61047	m-Xylene, 99.0%, extra dry, anhydrous	108-38-3	100 mL
AC39693	Xylenes, 98+%, extra dry, mixed isomers	1330-20-7	100 mL, 1 L

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