

ProductProfile

J.T.Baker® CYCLE-TAINER™ Solvent Delivery System

The J.T.Baker® CYCLE-TAINER™ solvent delivery system from Avantor™ Performance Materials is a customer-dedicated, 100% reusable, positive-pressure, closed dispensing system for J.T.Baker® high-purity solvents and reagents. Designed to meet the needs of customers who routinely purchase and use high-purity solvents, the CYCLE-TAINER system offers customers an alternative to using bottles and one-way drums that delivers benefits in a number of areas:

Solvent quality The closed CYCLE-TAINER solvent delivery system protects solvent quality to point-of-use by using an inert gas blanket and positive-pressure dispensing to prevent solvent contact with possible contaminants, such as air and water. Eliminating the need for frequent solvent testing due to opened bottles or multiple lots of solvent can improve productivity, and consistent solvent quality can also improve reproducibility of applications.

Green initiatives The J.T.Baker® CYCLE-TAINER solvent delivery system is the greenest packaging available, since it is 100% reusable and generates no solid waste. It eliminates the need for additional packaging, which reduces storage space requirements and greatly reduces the amount of material going into the solid waste stream. Eliminating bottle rinsing improves productivity and keeps solvent residues out of waste water.

Safety The CYCLE-TAINER solvent delivery system features stainless steel construction and built-in safety features. Employee exposure to hazardous solvent vapors is greatly reduced by delivering solvent directly to the point of use, and positive-pressure dispensing enables direct connection to instruments or solvent networks. Breakage and spills of glass bottles are eliminated, as is the need for bottle rinsing, which also limits employee exposure to hazardous vapors.

Scale up Thanks to our innovative Beaker to Bulk™ approach, using the CYCLE-TAINER system ensures quality in the laboratory and consistency during the scale-up process, across all volume requirements of production. Beaker to Bulk means we provide identical product in all packaging sizes, improving productivity by ensuring consistent solvent quality throughout all stages of an application.



Description	Product Number	Available Sizes
Acetone, BAKER ANALYZED™ HPLC	9002	18 L, 52 L, 215 L
Acetone, BAKER ULTRA RESI-ANALYZED™	9254	18 L, 52 L, 215 L, 1250 L
Acetone, BAKER ANALYZED ACS Reagent	9006	18 L, 52 L, 215 L, 1250 L
Acetonitrile, BAKER ANALYZED HPLC	9012	18 L, 52 L, 215 L, 1250 L
Acetonitrile, BAKER ANALYZED HPLC Ultra Gradient	9017	18 L, 52 L, 215 L, 1250 L
Acetonitrile Low Water, BAKER BIO-ANALYZED™	9018	18 L, 52 L, 215 L, 1250 L
Acetonitrile Ultra Low Water, BAKER BIO-ANALYZED	9019	18 L, 52 L, 215 L, 1250 L
Acetonitrile Ultra Low Water, BakerDRY™	9035	4 L, 18 L, 52 L, 215 L, 1250 L
Acetonitrile, BAKER ANALYZED ACS Reagent	9011	18 L, 52 L, 215 L, 1250 L
Alcohol (Reagent), Anhydrous, PHOTREX™/ACS Reagent	9229	18 L, 52 L, 215 L, 1250 L
Alcohol (Reagent), Anhydrous, BAKER ANALYZED ACS Reagent	9401	18 L, 52 L, 215 L, 1250 L
BIS (2-Methoxyethyl) Ether (Diglyme), BakerDRY	9296	4 L, 18 L, 52 L, 215 L
Chlorobenzene, BAKER ANALYZED ACS Reagent	9179	18 L, 52 L, 215 L
Chloroform, BAKER ANALYZED HPLC	9175	18 L, 52 L, 215 L
Chloroform, BAKER ANALYZED ACS Reagent	9180	18 L, 52 L, 215 L
Cyclohexane, BAKER ULTRA RESI-ANALYZED	9285	18 L, 52 L, 215 L, 1250 L
Cyclohexane, BAKER ANALYZED ACS Reagent	9206	18 L, 52 L, 215 L
Dimethylformamide (DMF), BAKER BIO-ANALYZED	9344	18 L, 52 L, 215 L, 1250 L
Dimethylformamide (DMF), BakerDRY	9213	4 L, 18 L, 52 L, 215 L
Dimethylformamide (DMF), BAKER ANALYZED ACS Reagent	9221	18 L, 52 L, 215 L, 1250 L
Dimethyl Sulfoxide (DMSO), BAKER ANALYZED HPLC	9225	18 L, 52 L, 215 L
Dimethyl Sulfoxide (DMSO), BAKER ANALYZED ACS Reagent	9224	18 L, 52 L, 215 L
Ether, BAKER ULTRA RESI-ANALYZED	9246	18 L, 52 L, 215 L
Ether, Ultra Low Water BakerDRY	9250	4 L, 18 L, 52 L, 215 L
Ethyl Acetate, BAKER ANALYZED HPLC	9282	4 L, 18 L, 52 L, 215 L, 1250 L
Ethyl Acetate, BAKER BIO-ANALYZED	9260	4 L, 18 L, 52 L, 215 L, 1250 L
Ethyl Acetate, BAKER ANALYZED ACS Reagent	9280	4 L, 18 L, 52 L, 215 L, 1250 L
Ethyl Ether, BakerDRY	9250	18 L, 52 L, 215 L

Description	Product Number	Available Sizes
Hexanes (95% n-Hexane), BAKER ANALYZED HPLC	9304	18 L, 52 L, 215 L, 1250 L
Hexanes (95% n-Hexane), BAKER ULTRA RESI-ANALYZED	9262	18 L, 52 L, 215 L, 1250 L
Hexanes, BAKER ANALYZED ACS Reagent	9309	18 L, 52 L, 215 L, 1250 L
Methanol, BAKER ANALYZED HPLC	9093	18 L, 52 L, 215 L, 1250 L
Methanol, BAKER BIO-ANALYZED	9098	18 L, 52 L, 215 L, 1250 L
Methanol, BakerDRY	9097	4 L, 18 L, 52 L, 215 L
Methanol Absolute, BAKER ANALYZED ACS Reagent	9070	18 L, 52 L, 215 L, 1250 L
Methyl Ethyl Ketone (MEK), BAKER ANALYZED ACS Reagent	9319	18 L, 52 L, 215 L
Methyl tert-Butyl Ether (MTBE), BAKER ANALYZED HPLC	9042	18 L, 52 L, 215 L
Methylene Chloride (DCM), BAKER ANALYZED HPLC	9315	18 L, 52 L, 215 L, 1250 L
Methylene Chloride (DCM), BAKER BIO-ANALYZED	9348	18 L, 52 L, 215 L
Methylene Chloride (DCM), BAKER ULTRA RESI-ANALYZED	9266	18 L, 52 L, 215 L, 1250 L
Methylene Chloride (DCM), BakerDRY	9295	4 L, 18 L, 52 L, 215 L
Methylene Chloride (DCM), BAKER ANALYZED ACS Reagent	9324	18 L, 52 L, 215 L, 1250 L
Pet Ether 30-60 °C, BAKER BIO-ANALYZED	9265	18 L, 52 L, 215 L, 1250 L
Piperidine 99%, BAKER	2895	18 L, 52 L, 215 L
1-Propanol (n-Propyl Alcohol), BAKER ANALYZED Reagent	9086	18 L, 52 L, 215 L
2-Propanol (Isopropyl Alcohol), BAKER ANALYZED HPLC	9095	18 L, 52 L, 215 L
2-Propanol (Isopropyl Alcohol), BAKER ANALYZED ACS Reagent	9084	18 L, 52 L, 215 L
Pyridine, BAKER ANALYZED HPLC	9393	18 L, 52 L, 215 L
Pyridine, BAKER ANALYZED ACS Reagent	3348	18 L, 52 L, 215 L
Tetrahydrofuran Low Water, BAKER ANALYZED HPLC	9439	18 L, 52 L, 215 L, 1250 L
Tetrahydrofuran Ultra Low Water, BakerDRY	9446	4 L, 18 L, 52 L, 215 L
Tetrahydrofuran, BAKER ANALYZED ACS Reagent	9450	18 L, 52 L, 215 L, 1250 L
Toluene Low Water, BakerDRY	9364	4 L, 18 L, 52 L
Toluene, BAKER ANALYZED ACS Reagent	9460	18 L, 52 L, 215 L
Xylenes, PHOTREX Reagent	9516	18 L, 52 L, 215 L

For product specifications and more technical information visit http://www.avantormaterials.com/CYCLE-TAINER_Solvent_Delivery_System.aspx. For pricing information, please contact your Avantor Sales Representative.

Grade Definitions:

BAKER ANALYZED HPLC Reagent—A group of high purity solvents, buffer salts, and mobile phase modifiers for use in analytical and preparative separations. BAKER ANALYZED HPLC reagents are optimized for all of your liquid chromatography applications, including high performance liquid

chromatography, gel permeation chromatography and UV-spectrophotometric analysis. These highly characterized reagents are manufactured and tested to assure interference-free separations and have unmatched lot-to-lot consistency. Recalibration or instrument adjustments due to solvent lot

changes are minimized. Solvents are controlled for high assay and low UV absorption, fluorescence, residue and water. An Actual Lot Analysis is provided on the label.

BAKER ULTRA RESI-ANALYZED Reagent—A group of ultra high purity solvents and salts developed for organic residue extraction/concentration procedures. These solvents are fully characterized and lot controlled by ECD, FID, or other method-specific detectors to deliver the highest level of purity and lot-to-lot consistency. Advanced stabilizer systems are incorporated in BAKER ULTRA RESI-ANALYZED solvents to ensure solvent stability and superior performance that is guaranteed through the expiration period stated on the label. BAKER ULTRA RESI-ANALYZED reagents are suitable for exacting EPA sample cleanup protocols.

BAKER BIO-ANALYZED Reagent—A group of high-purity solvents and reagents specially purified and carefully tested to assure suitability and reliability in nucleic acid or peptide synthesis. Carefully controlled low water levels and unsurpassed lot-to-lot consistency deliver better synthesis yields and coupling efficiencies.

PHOTREX—High-purity solvents characterized for use in UV, visible and IR spectrophotometry. The label includes the Actual Lot Analysis for UV absorbency at selected wavelengths.

BakerDRY—A group of anhydrous solvents specifically manufactured and tested for use in organic, organometallic and oligonucleotide synthesis. BakerDRY solvents meet ACS specifications and are ready to use, eliminating the need for any further purification. These solvents are available in 100 mL and 1 L septum-seal bottles.

BAKER ANALYZED Reagent—A grade of high quality chemicals for laboratory and specialized industrial use. Every BAKER ANALYZED reagent label provides an Actual Lot Analysis as your guarantee of purity and consistency. Analytical methods used for these determinations are based on standard test procedures described in technical publications. Frequently, improvements developed by Avantor are employed to achieve a higher degree of reliability.

CYCLE-TAINER System Container Return Program

Avantor developed the SHaRE™ (SHipping and REturning) program to make the process of returning empty CYCLE-TAINER system containers easier and more cost effective. Contact your Avantor Account Manager for more information.



About Avantor™ Performance Materials

Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron™, Rankem™, Diagnova™ and POCH™ brands.

Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors, photovoltaic cells and flat panel displays. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

For additional information please visit www.avantormaterials.com or follow [www.twitter.com/avantortweets](https://twitter.com/avantortweets)



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Our Web site features ASK Avantor™ which includes live chat capabilities with customer service representatives.
www.avantormaterials.com/askavantortweets

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