

The ResinTech Column Test Kit is used to perform in-house bench scale pilot tests with ion exchange resins, activated carbon, or other specialty adsorbent medias. Bench scale tests are an effective tool to evaluate the performance of ion exchange resins and other media. Performance data from column tests can be used to judge if ion exchange technology is a viable process for removal of a specific contaminant. Bench scale tests are also useful when scaling up to a full size system. ResinTech proprietary Multiple Ion Simulation Technology (MIST-X) can be used to extract constants from bench scale results that are then used to model other process conditions, minimizing the need of further column tests.

The column test kit contains either one or two complete lab columns and up to four media samples. Each column is constructed of 1" OD clear acrylic tubing with a custom screened outlet fitting. Additional miscellaneous hardware required to connect the inlet and outlet of the columns to customer supplied tubing is also provided. The columns are versatile and are specifically designed for resin, carbon, and adsorbent medias, providing ease of use and simple operation. Each 16 ounce sample jar contains enough media for at least one column test.



PRICING

The column test kit is available with one or two complete column configurations. Ion exchange resins sold separately.

COLUMN TEST KIT	PRICE EACH*
Standard Column Kit (One Column)	\$135.00
Expanded Column Kit (Two Column)	\$195.00
ION EXCHANGE RESINS (16 OZ.)	
Carbon	\$30.00
Cation Resins	\$30.00
Anion Resins	\$50.00
Selective Ion Resins†	\$75.00
Specialty Adsorbents	\$100.00

* Plus Shipping & Handling

† Excludes SIR-1000 & SIR-1200



Included with each Column Test Kit

- 1" ID acrylic column with screened bottom
- 3/8" NPT PVC ball valve
- #5.5 rubber stopper with center hole
- 3/8" NPT x 3/8" tube fitting and tubing stub
- 3/8" hose barb connector

Instructions

Note: 3/8" tubing required to complete the inlet and outlet assembly is not included in the kit.

ResinTech technical support is available by email or phone to help select the medias most likely to be effective and to help calculate likely throughputs for most potential contaminants. Our technical staff can also review results and recommend any additional test work needed for scaleup.

In addition to resin and water analysis, ResinTech offers a variety of laboratory services for more complicated and/or detailed testing, where contaminants are not well known.

CAUTION: Acrylic columns are not pressure rated and are not recommended for temperatures above 120°F or for strong acids and bases. Safety Data Sheets are available on ResinTech.com and provide important information regarding safe use of our products. Wear appropriate personal protection gear at all times when handling ion exchange resins. These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents; further we assume no liability for the consequences of any such actions. ResinTech is a registered trademark © of RESINTECH INC.