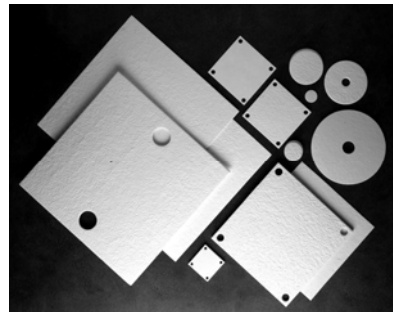


# ErtelAlsop Micro-Media® Series Filters



## The Right Choice for Critical Processing

Micro-Media® Series Depth Filter Media, formulated with cellulose, wet strength resin and diatomite and/or perlite is specifically designed for use in critical applications. All components of ErtelAlsop Micro-Media® are listed in the CFR as generally recognized as safe for contact with food as dictated by 21CFR 176.170.



## Applications

**Pharmaceutical/Biotech:** Blood Fractions, Sera, Cell Culture Media, Active Pharmaceutical Ingredients, Large Volume Parenterals, and Small Volume Parenterals

**Food & Beverage:** Gelatin, Flavor Oils, Distilled Beverages, Wine, Beer, Soft Drinks, High Fructose Corn Syrup, Flavors

**Personal Care:** Cosmetics, Fragrances, Oils, Intermediates for Topical Applications

**Chemicals:** Silicone Oils, Cutting Oils

**Utilities:** Circuit Breaker Oils, Transformer Oils, Turbine Lube Oils, Soaps, Detergents, Plating and etching Solutions, Alcohol, Ethanol, Diesel Fuels, Bio Diesel Fuel

## Composition

ErtelAlsop Micro-Media® filter sheets are composed of cellulose pulp, Diatomaceous Earth and/or Perlite and a wet strength resin, which charge modifies the media to exhibit a net positive charge zeta potential. This allows for the highly efficient removal of particles smaller than the filter's nominal rating.

## Grade Designations

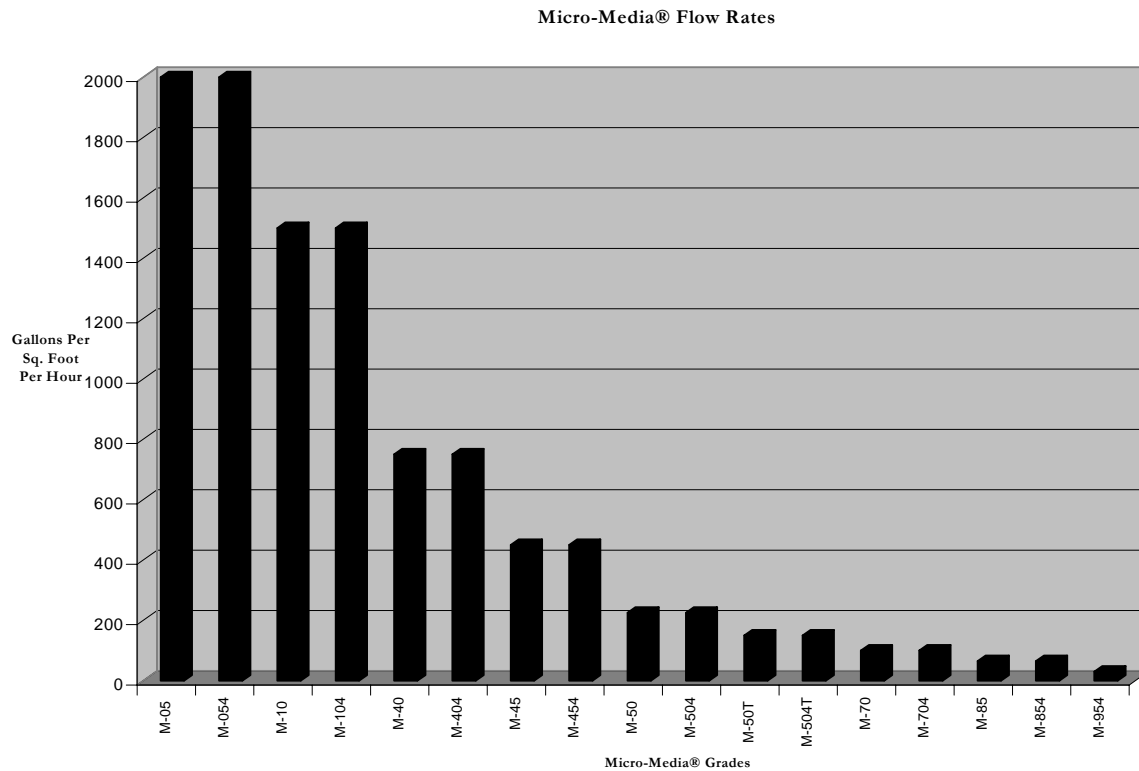
<i>Micro-Media® Grade Designation</i>		<i>Micro-Media® XL Series™ Grade Designation</i>	<i>Retention Rating</i>
Cellulose/Perlite	Cellulose/DE	Cellulose/DE**	
M-05	M-054	M-053	15 microns
M-10	M-104	M-103	10 microns
M-40	M-404	M-403	5 microns
M-45	M-454	M-453	2.5 microns
M-50	M-504	M-503	1 micron
M-50T	M-504T	M-503T	0.8 micron
M-70	M-704	M-703	0.5 micron
M-85*	M-854	M-853	0.3 micron
	M-954	M-953	0.25 micron

*The table to the left is provided as a reference however, the most accurate way to optimize your process is through laboratory scale testing. Samples of Micro-Media® Micro-Media® XL Series™ or Micro-Clear™ Media are available at no charge. All authorized ErtelAlsop representatives are equipped to run trials on-site at your facility or product samples may be sent, with prior approval, to ErtelAlsop directly for testing.*

\*Contains Cellulose, Perlite, and DE

\*\*Contains Cellulose, High Purity DE

## Flow Rates *Chart shows flow characteristics of ErtelAlsop Micro-Media® at 10 psi with clean water at 70°F*



## *The Format to Fit Your Needs*



All ErtelAlsop media formulations can be manufactured in formats to fit your application. Filter sheets, discs and Pak® Lenticular Cartridges are all available to provide you with product to optimize your application. ErtelAlsop also manufactures a complete line of filter machinery, from Small Batch and Pilot Scale Lab Filters to Plate and Frame Filters, Sealed Disc Filters and Pak® Lenticular Cartridge Housings.

For over 80 years, ErtelAlsop has been proactively solving the depth filtration problems of industry. We originated and patented the Pak® Lenticular Cartridge concept. We created the BioClean™ Sanitary Filter Plate Assembly to accommodate the stringent cleaning standards of the pharmaceutical industry. We designed the 1S PharmaScale™ Filter at the request of a customer who needed to duplicate results at the one-inch square level. Most recently, we took the traditional plate and frame concept and literally turned it on its ear. The Diamond Series™ line of Plate and Frame Filter Presses combines weld-free technology for the ultimate in cleanliness with a diamond shape, which allows for complete drainage and venting. Constant innovation has positioned us at the forefront of the industry.

For more detailed information on the products we manufacture, contact us by phone at 800.533.7835, visit our web site [www.ertelalsop.com](http://www.ertelalsop.com) or email [sales@ertelalsop.com](mailto:sales@ertelalsop.com).

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