



# ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION™

## P-GRADE MICRO-MEDIA® FILTER MEDIA

### THE RIGHT CHOICE FOR CRITICAL PROCESSING

Pharmaceutical Grade Micro-Media® Series Depth Filter Media, formulated with cellulose, wet strength resin and diatomite and/or perlite is specifically designed for use in critical pharmaceutical and biotech applications. All components are listed in the CFR as generally recognized as safe for contact with food as dictated by 21CFR 176.170. Pharmaceutical Grade Micro-Media® Series Depth Filter Media is manufactured in accordance with ErtelAlsop Drug Master File located at the United States Food and Drug Administration Center for Drug Evaluation and Research.

### COMPOSITION

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

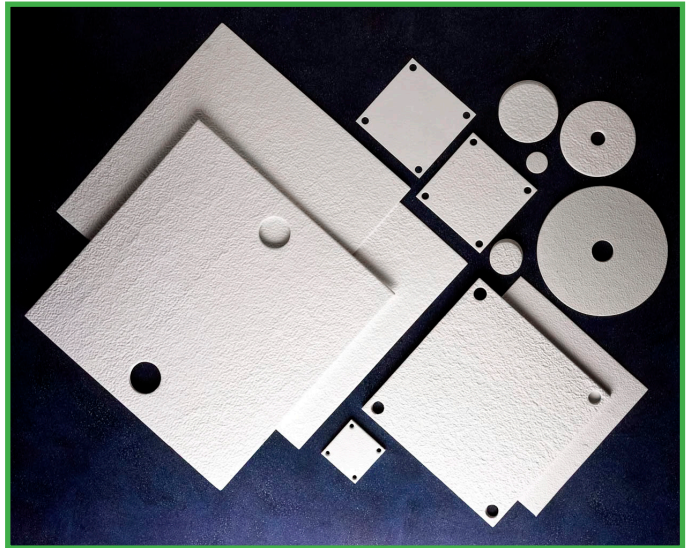
### APPLICATIONS:

- Blood Fractions
- Sera
- Cell Culture Media
- Active Pharmaceutical Ingredients
- Large Volume Parenterals
- Small Volume Parenterals

### PRODUCT TESTING

Product testing is always available either at your facility, through our network of distributors, or at our in-house laboratory.

MICRO-MEDIA		XL SERIES	RETENTION
Cellulose/Perlite	Cellulose/DE	Cellulose/DE**	
M-05P		M-053P	15 µm
M-10P	M-104P	M-103P	10 µm
M-40P	M-404P	M-403P	5.0 µm
M-45P	M-454P	M-453P	2.5 µm
M-50P	M-504P	M-503P	1.0 µm
M-50TP	M-504TP	M-503TP	0.8 µm
M-70P	M-704P	M-703P	0.45 µm
M-85P*	M-854P	M-853P	0.3 µm
	M-954P	M-953P	0.25 µm



### PILOT TESTING - RENTALS

For in-plant testing and scale-up procedures, ErtelAlsop offers a variety of lab filters for rent. A portion of rental fees can be applied to the purchase of your full production filter.

### 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.

## P-GRADE MICRO-MEDIA®

The most accurate way to optimize your process is through laboratory scale testing. Samples of P-Grade Micro-Media®, Micro-Media® XL Series™, or Micro-Clear™ Media are available at no charge. Authorized ErtelAlsop representatives are equipped to run trials on-site, or product samples may be sent directly to ErtelAlsop for testing with prior approval.

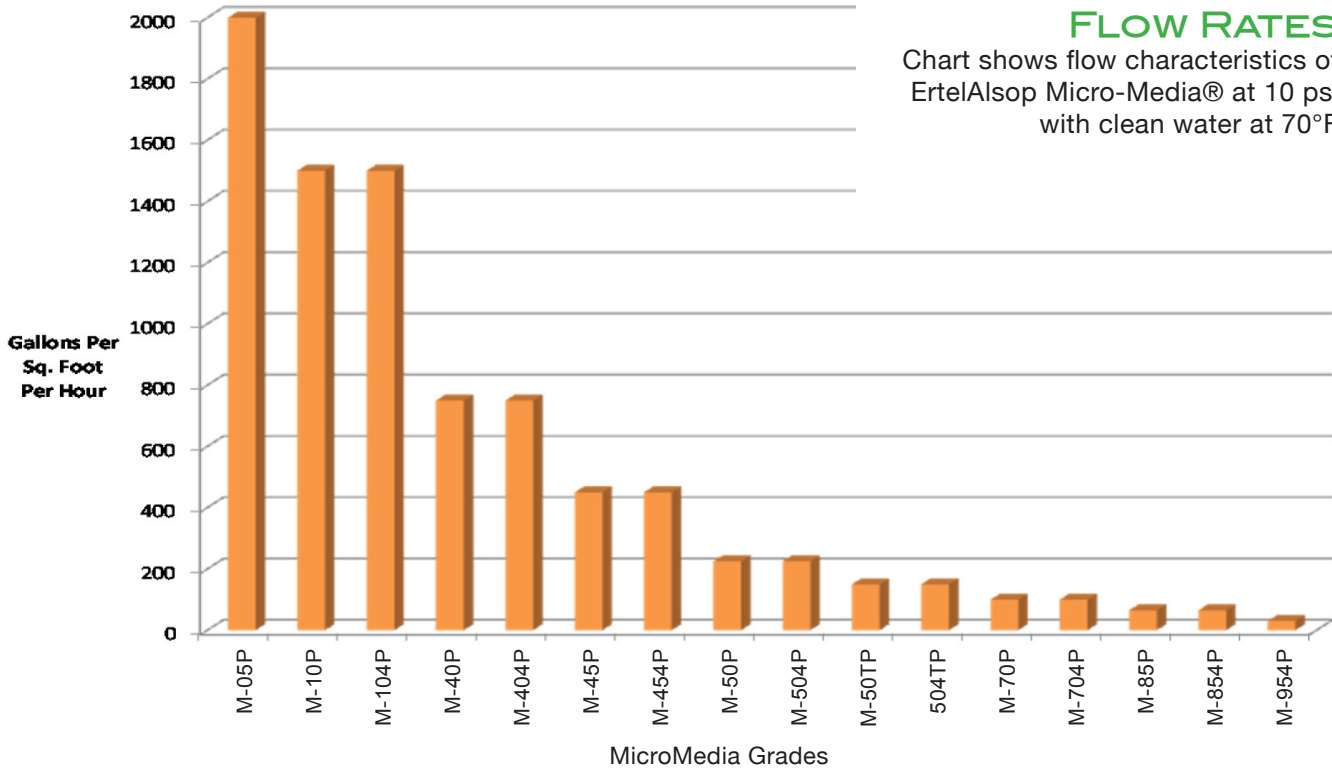
Table to the left is for reference only.

\* 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

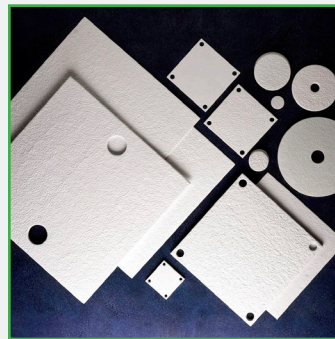


## FILTER MEDIA

ErtelAlsop filter media is available for any application and/or operating condition, and is chosen based on your specific operating conditions, the performance required by the filtering media, and criteria given to us by you and/or by sample processing we do in our lab.

ErtelAlsop offers the widest varieties of filter media including 100% cellulose pads, cellulose and diatomaceous earth pads, cellulose and Celpure® diatomaceous earth pads, cellulose and perlite pads, and cellulose and activated carbon pads.

All filter pads are manufactured to very high standards for a wide range of applications in the pharmaceutical, chemical, cosmetic, electric utility and food and beverage markets. ErtelAlsop also offers a Validation Guide to assist in the validation of its filter pads in your process. The Validation Guide contains information regarding raw materials, extractables, and general information about the product. The combination of ErtelAlsop "P" grade filter pads and ErtelAlsop's BioClean™ plate and frame filter press design, can help to simplify your depth filtration validation now more than ever.



For additional product information visit [ErtelAlsop.com](http://ErtelAlsop.com)

[Technical Bulletin MMP-13](#)

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