

Millistak+™ Mini Capsule Filters

■ Self Contained, disposable devices for media selection and scale-up trials.



- The convenience of a self-contained, disposable device requiring no cleaning or assembly
- Direct scale-up capability
- A full range and selection of filters

The full range of Millistak+ charged depth media is now available in an easy-to-use form, having a conveniently small surface area of 23 cm². Millistak+ Mini capsule filters for clarification and prefiltration applications ensure the reliable performance that is essential in both small batch processing and scale-up.

Ease of Use

In addition to being convenient and disposable, Millistak+ Mini capsule filters are equipped with hose barb inlet and outlet connections for ease of installation.

Scale-up Capabilities

The media used in Millistak+ Mini capsule filters is the same media used in Opticap™ capsules and Millistak+ cartridges. Certificates of quality for each device provides filter media lot release specifications to assure equivalent performance as process scale-up occurs.

The range of Millistak+ products ensures reliable, reproducible performance in the laboratory, at pilot production and large process scale.

Three Distinct Media Types

Millistak+ Mini capsule filters are available with three distinct media types to meet diverse biopharmaceutical application requirements.

Millistak+ DE media aid in the management of colloidal contaminants; each provides a depth filter that has a large internal surface area and a positive electrical charge.

Millistak+ HC media are suitable for the removal colloidal contaminants. Multiple layers of positively charged depth media combine with a membrane layer allow for process compressions and protection of downstream sterilizing grade membranes.

Millistak+ CE media are suitable for coarse filtration, which removes agglomerated contaminants and has a positive electrical charge.

Millistak+ A, activated carbon media remove the trace impurities that cause haze, color and odor.

Materials of Construction

Filter Media

DE Series: Cellulose fiber combined with an inorganic filter aid

CE Series: Cellulose fiber

AC Series: Cellulose fiber combined with activated carbon

HC Series: Cellulose fiber combined with an inorganic filter aid. Membrane of mixed esters of cellulose.

Capsule Housing

Polypropylene

Specifications

Maximum Operating Pressure

2 bar (30 psig) at 25 °C

Maximum Differential Pressure

2.06 bar (30 psid) at 25 °C

Autoclavable

For 1 cycle at 123 °C for 60 minutes.

Effective Surface Area

23 cm²

Component Materials Toxicity

Component materials were tested and meet the criteria for the USP Class VI Biological Test for Plastics

Indirect Food Additives

All component materials meet the FDA Indirect Food Additive Requirements cited in 21CFR

USP Bacterial Endotoxins

An aqueous extraction of the filter media contained less than 0.25 EU/mL as determined using the Limulus Amebocyte Lysate (LAL) test

Ordering Guide

