Ultra H_2O Terminal Ultrafilter

GVS Terminal Ultrafilter

GVS terminal ultrafiltration filter can effectively remove bacteria endotoxins, nucleases, proteases and bacteria from water, making it suitable for areas requiring very high water quality such as ultrapure substance analysis, cell culture, trace detection, and gene sequencing.

Features

- Removal of bacterial endotoxins: Bacterial endotoxins, which are components of the cell walls of Gram-negative bacteria, primarily consist of lipopolysaccharides. These endotoxins can interact with other molecules or aggregate to form microstructures, causing interference in various analytical and separation methods like cell differentiation, resin purification, electrophoretic analysis, and plasmid extraction.
- Removal of nucleases: Under appropriate water conditions, the GVS terminal ultrafiltration filter can produce nuclease-free water. This process is convenient and safe, and it avoids the CO2 and alcohol contamination that often results from frequent DEPC treatment.
- Removal of bacteria: It has been verified that the GVS terminal ultrafiltration filter can effectively remove bacteria, allowing for the production of sterile water when used normally in a clean environment.

Material

Membrane:	Modified polyether sulfone
Housing:	ABS
End base:	ABS
Sealing ring:	Silicone
Sealing material:	Polyurethane

Parameters

Membrane area:	0.43m²
Maximum inlet water temperature:	60°C
Interception molecular:	>15000Da
Bacterial:	<1 cuf/100ml
Bacterial endotoxin:	<0.001EU/ml
RNase:	<1pg/ml
DNase:	<5pg/ml
Replacement cycle:	90 days
Flow rate:	less than 2.5L/min
Inlet size:	1/4" plug in

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