

## High Capacity Groundwater Capsule

The SingleSample® High Capacity Groundwater Capsule (HCGW) is used to filter groundwater samples taken for metals analysis.

The proprietary design of the HCGW Capsule provides filtration volumes equal to or better than other high capacity devices used for low pressure, turbid sample filtration.

### MEMBRANE:

.45µm hydrophilic PES.

### RATING/CAPACITY:

Designed to filter 1 full liter of turbid sample water.

### PRERINSE:

The HCGW Capsule uses a naturally hydrophilic PES membrane that allows flow from the very first drop. Since it is hydrophilic and contaminant free after manufacturing, the HCGW membrane does not require a prerinse. The non-hydrophobic membranes of other devices use a prerinse to remove contaminants or to prewet the filter to establish flow.

### CERTIFICATION:

The SingleSample® disposable Filter Capsule is validated for 67 metals and 2 anions.

Element or Compound	LOD ppb (ug/l)	Element or Compound	LOD ppb (ug/l)
Chloride (Cl <sup>-</sup> )	50.00	Neodymium (Nd)	0.02
Sulfate (SO <sub>4</sub> <sup>-</sup> )	10.00	Nickel (Ni)	0.50
Aluminum (Al)	0.20	Nickelium (Nb)	0.02
Antimony (Sb)	0.10	Osmium (Os)	0.02
Arsenic (As)	0.20	Palladium (Pd)	0.03
Barium (Ba)	0.10	Platinum (Pt)	0.08
Beryllium (Be)	0.04	Potassium (K)	25.00
Bismuth (Bi)	0.04	Praseodymium (Pr)	0.01
Boron (B)	5.00	Rhenium (Re)	0.08
Cadmium (Cd)	0.03	Rhodium (Rh)	0.02
Calcium (Ca)	25.00	Rubidium (Rb)	0.10
Cerium (Ce)	0.01	Ruthenium (Ru)	0.05
Cesium (Cs)	0.02	Samarium (Sm)	0.04
Chromium (Cr)	0.03	Scandium (Sc)	0.20
Cobalt (Co)	0.02	Selenium (Se)	7.00
Copper (Cu)	0.50	Silver (Ag)	0.03
Dysprosium (Dy)	0.04	Sodium (Na)	25.00
Erbium (Er)	0.02	Strontium (Sr)	0.20
Europium (Eu)	0.02	Tantalum (Ta)	0.02
Gadolinium (Gd)	0.04	Tellurium (Te)	0.04
Gallium (Ga)	0.04	Terbium (Tb)	0.02
Germanium (Ge)	0.05	Thallium (Tl)	0.05
Gold (Au)	0.05	Thorium (Th)	0.02
Hafnium (Hf)	0.03	Thulium (Tm)	0.01
Holmium (Ho)	0.01	Tin (Sn)	0.20
Indium (In)	0.02	Titanium (Ti)	0.05
Iridium (Ir)	0.06	Tungsten (W)	0.20
Iron (Fe)	1.00	Uranium (U)	0.02
Lanthanum (La)	0.01	Vanadium (V)	0.03
Lead (Pb)	0.50	Ytterbium (Yb)	0.03
Lithium (Li)	0.30	Yttrium (Y)	0.02
Lutetium (Lu)	0.01	Zinc (Zn)	1.00
Magnesium (Mg)	10.00	Zirconium (Zr)	0.05
Manganese (Mn)	0.30		
Mercury (Hg)	0.05		
Molybdenum (Mo)	0.05		

The SingleSample® High Capacity Groundwater Capsule has been used to filter turbid groundwater samples in thousands of wells around the world.

## Ultra High Capacity.

We also offer an Ultra High Capacity Groundwater Capsule for applications specifying a 700cm<sup>2</sup> pleat pack. Available by special order. Call for pricing.

VALIDATED FOR  
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1.800.247.6294

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TECHNOLOGIES