

Faucet Tap Filter

Great for anyone, anywhere, anytime!
Easy to install to any tap - No Plumbing just great tasting water.



Produced by Geysler, Aussie Water Coolers introduces the smallest, most compact of all water filters while delivering the highest purity water imaginable. The tap adapter can be connected to any water-supply tap making installation so easy with no plumbing or tools required. These devices offer a great choice and an easy way to get filtered water for homes, apartments, resorts, offices, etc. Just attach a filter to a kitchen faucet and enjoy filtered water directly from your tap. These tap filters have exceptional filtration qualities that remove dirt, sand, Chlorine, bad taste & odour, etc.

Features

- Quick Installation
- Easy to operate
- No Plumbing or Drilling
- Exceptional quality filtered water
- Lightweight and Portable

Advantages

- Easy switch of operation modes with/without purification, which allows saving of the cartridge operation life e.g., in dish washing.
- Unique material Aragon filter is used only in Geysler filters.
- Removes from water: chlorine, organic and chlorinated organic compounds, petroleum products, iron, hardness salts, heavy metals, and even viruses including hepatitis A virus, and other harmful substances.
- Create good tasting water that appreciably improving the flavour of tea, coffee, and any home-made meals.
- Filters up to 3000 Litres, without replacing the cartridge. Recommended filter change at 6 months. The filtration rate is 0.5–1 l/min.
- Easily relocated if necessary, from house to house or from house to caravan or rental home while on holidays.





Filter Design

Inside the device is a cartridge of unique material Aragon developed by the Geysler Company. The unique specific & patented features of the Aragon filtering material ensure the comprehensive removal of many occurring contaminants such as: chlorine, iron, heavy metals, as well as bacteria and viruses including hepatitis A at a rate of 1.5 l/min.

All currently known methods of water treatment such as: mechanical filtration, ion exchange, adsorption, disinfection with silver are used in a single Aragon cartridge

The filter cartridge within the unit is self monitoring indicating to the user when the filter requires replacing. Effectively the filters pure water flow rate sharply decreases indicating when the filters operational life is drawing to an end.

Contaminants	Beginning of operation life	Middle of operation life	End of operation life
In soluble particles, rust, sand, silt particles coarser than 1 μm	100%	100%	100%
Iron	99%	99%	97%
Heavy and radioactive metals	100%	100%	98%
Available chlorine	100%	100%	99%
Organic compounds, carcinogens, pesticides	99%	99%	97%
Hepatitis A virus and Escherichia coli	100%	100%	100%

Filter Installation

The filter installation is extremely simple. The device is simply screwed onto your kitchen tap



Filter Operation

The control of the filter operation is simple and clear. Just one turn of the switch (diverter) on a Geysler Euro filter, and you can collect pure water (for the photo of Geysler Euro, see above).

For a Geysler Tap filter, the casing itself acts as a switch. By turning the casing, you can either collect pure water or feed tap water directly into the wash-bowl. For example, use of filtered water is unnecessary for dishwashing.

Filter Replacement

The cartridge replacement in these filters is extremely simple and convenient. For this purpose, it is necessary to unscrew the filter casing with a special wrench included in the kit, to remove the spent cartridge, to insert in its place a new cartridge, and to screw the casing back—and the filter is ready for use.





Aragon Filter Cartridge

Made in Europe

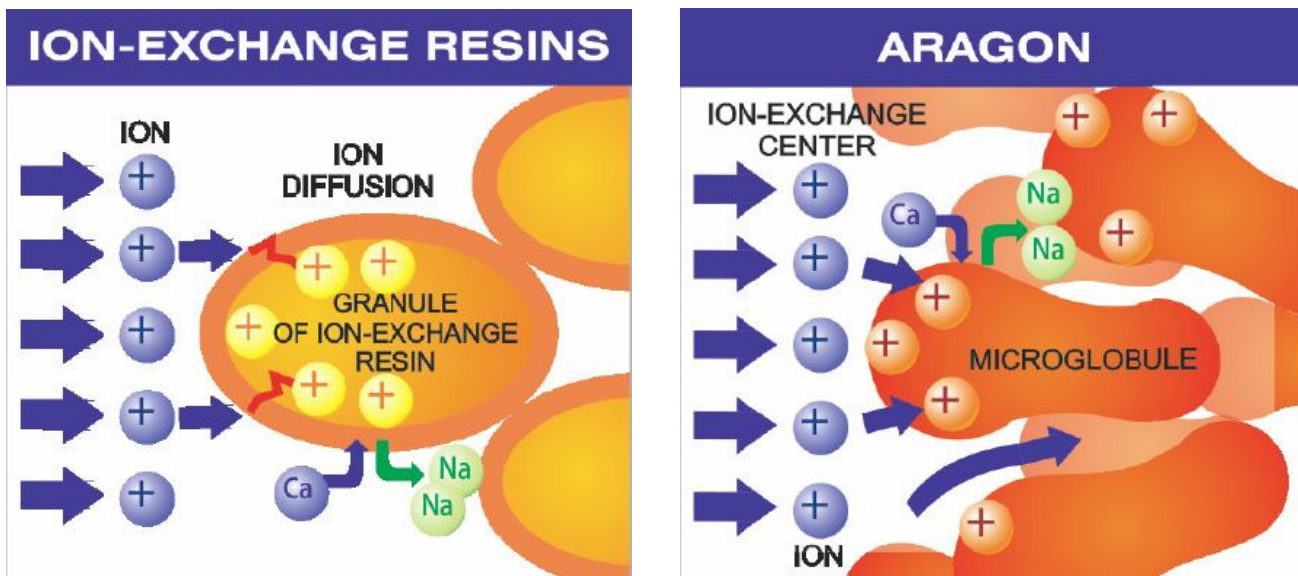
This world leading cartridge is based on the innovative, patented Aragon Media. It has been extensively tested by Certified Laboratories in Europe, to effectively remove chemicals, pesticides, bacteria and heavy metals as well as sediment down to >2 microns.

This high quality extruded carbon block cartridge is equally effective at purifying both **hot** and **cold** water.

Manufacture

Developed in Eastern Europe, these new SGS-polymers (space globular structure) material for water purification combines 3 methods of filtration: mechanical, sorption and ion-exchange, making this filter the best to date at removing the widest range of chemicals & heavy metals

Long polymer chains are formed in the production process, providing a porous yet mechanically strong structure. These polymer chains are coated and enable a highly effective ion exchange process.



This method of SGS-polymer filtration is up to 20 times more effective than common methods of ion-exchange.

The Aragon filter is especially effective when using tank or bore water to protect the user from organisms such as Protozoa, Giardia & Chryptosporidium. Like wise, the Aragon compound filters water high in heavy metals often found in bore water and some tank water.

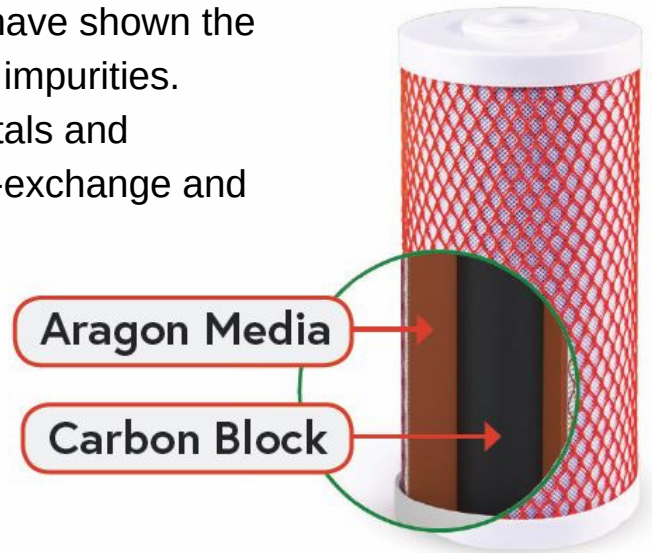
Filtration Process

Mechanical impurities are filtered out through the surface layers with extremely high accuracy. SGS-polymers have shown the best results in the complex removal of harmful impurities.

Elements and compounds including heavy metals and radioactive materials are removed through ion-exchange and sorption mechanisms.

The Aragon solid block material is a bacteriostatic polymer made from additives of silver and granules of ion-exchange resins.

Hardness salts, dissolved and colloidal iron, heavy metals and their compounds are removed through the resin and polymer ion-exchange properties. The Aragon filters capacity also provides removal of active chlorine, chlorine containing compounds and organic compounds.



Specifications

Max Flow Rate:

- 10" Big Blue..... 25 litres p/m
- 20" Big Blue..... 50 litres p/m

Water Temperature..... +4°C to +75°C

Filter Life:

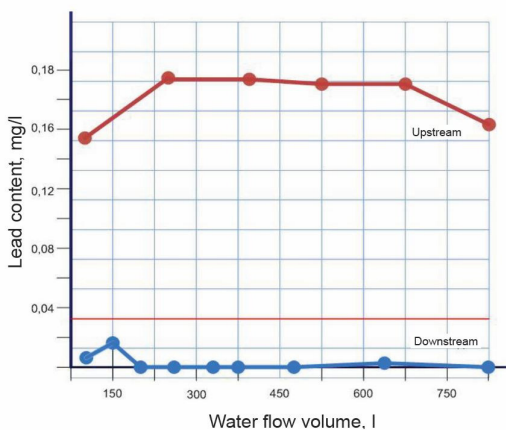
- 10" Big Blue..... 30,000 litres
- 20" Big Blue..... 60,000 litres

Filtration Efficiency

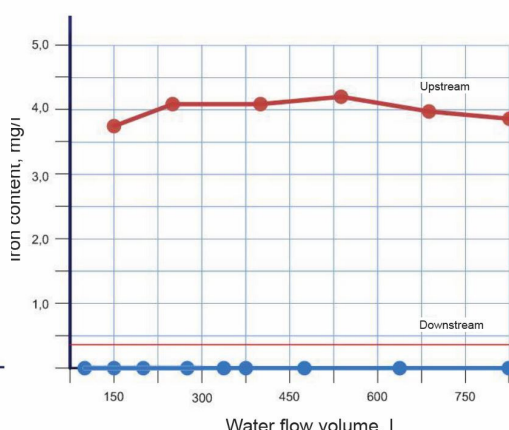
Particles >2 microns.....	100%
Lead, zinc, cadmium, cesium.....	95%
Chlorine.....	100%
Chloramines.....	>90% +
Pesticides.....	92%
Iron.....	90%
Aluminium.....	97%
Turbidity.....	99%
Oil Products.....	90%

Heavy Metal Removal

Example: Lead Removal Efficiency

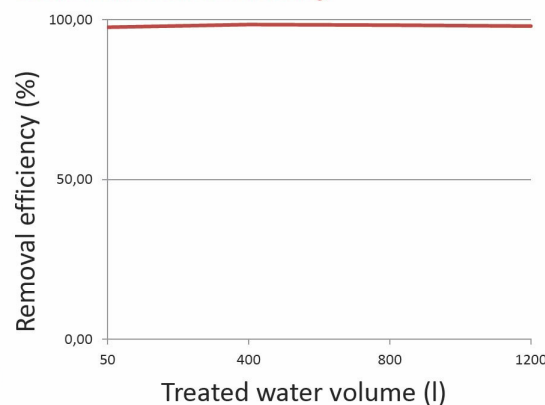


Example: Iron Removal Efficiency



Pesticides Removal

Simazin Removal Efficiency





Institut Pasteur de Lille

France

The institute took its name from the famous French microbiologist Louis Pasteur, the founder and the first director. Louis Pasteur was buried in Notre-Dame de Paris cathedral for his prominent services to France, but later reburied in the territory of the Institute (Lille).

Important discoveries have been made In Pasteur Institute. That contributed to successful control of such virulent diseases as diphtheria, tetanus, tuberculosis, poliomyelitis, influenza, yellow fever and plague. In 1983 the human immunodeficiency virus was discovered in the institute. Since 1908 ten scientists of the institute have received Noble Prizes for Medical Science and Physiology.



How the Tests Were Conducted?



Photo: the modules and the housing presented to the Institut Pasteur de Lille

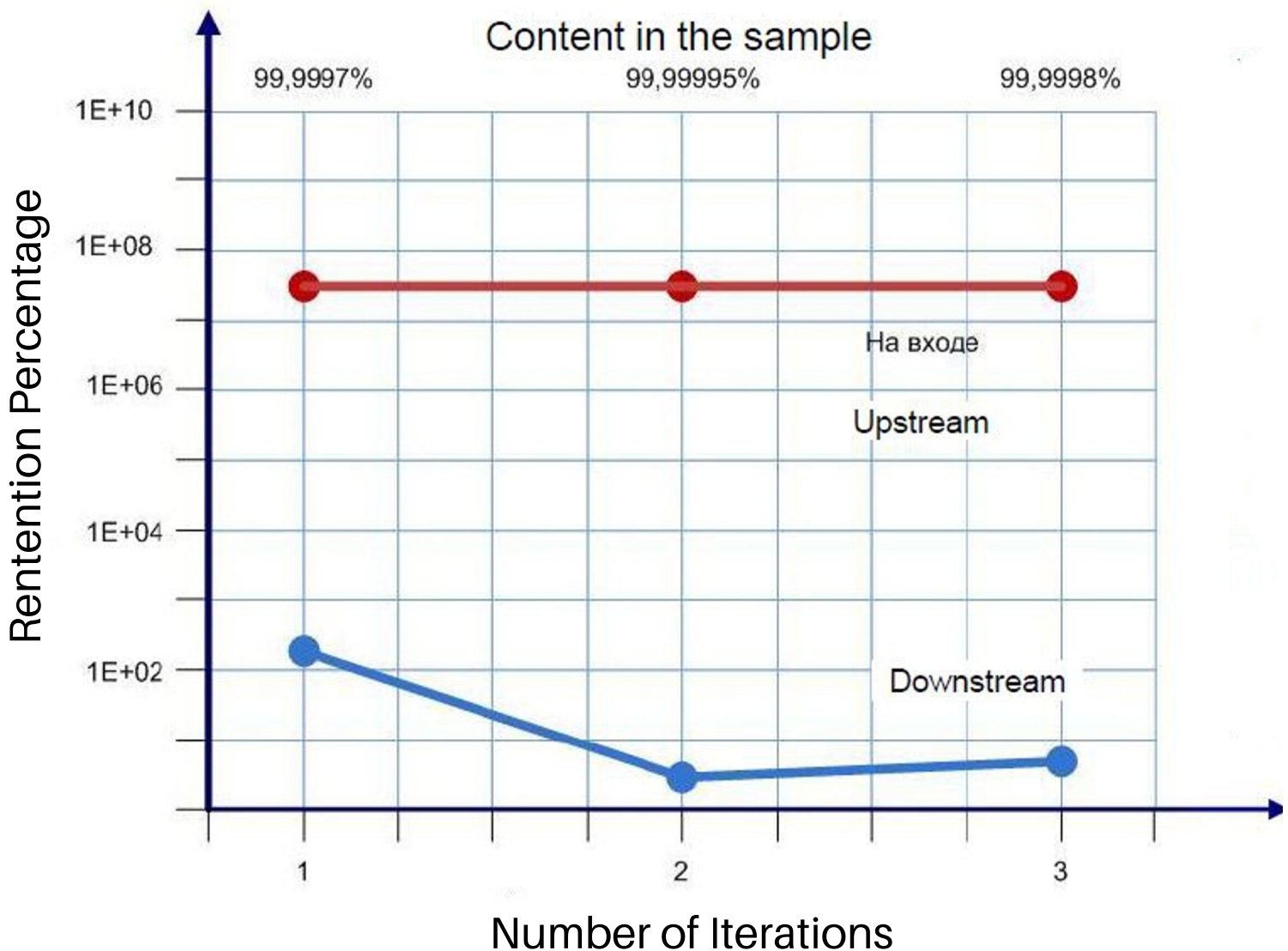
The filtering modules made of ARAGON were taken randomly from the batch. They were placed into a standard series-produced plastic housing. A peristaltic pump was used to circulate water through the modules. Each module was tested once. The tests were conducted with the use of artificially contaminated ultrapure water. Pollution-free water passed through the module prior to the experiment then contaminants were added and the treated water was collected after being filtered.



Removal of Salmonella

Salmonella is a mouse typhus agent. Nonspore-forming rod-shaped bacteria.

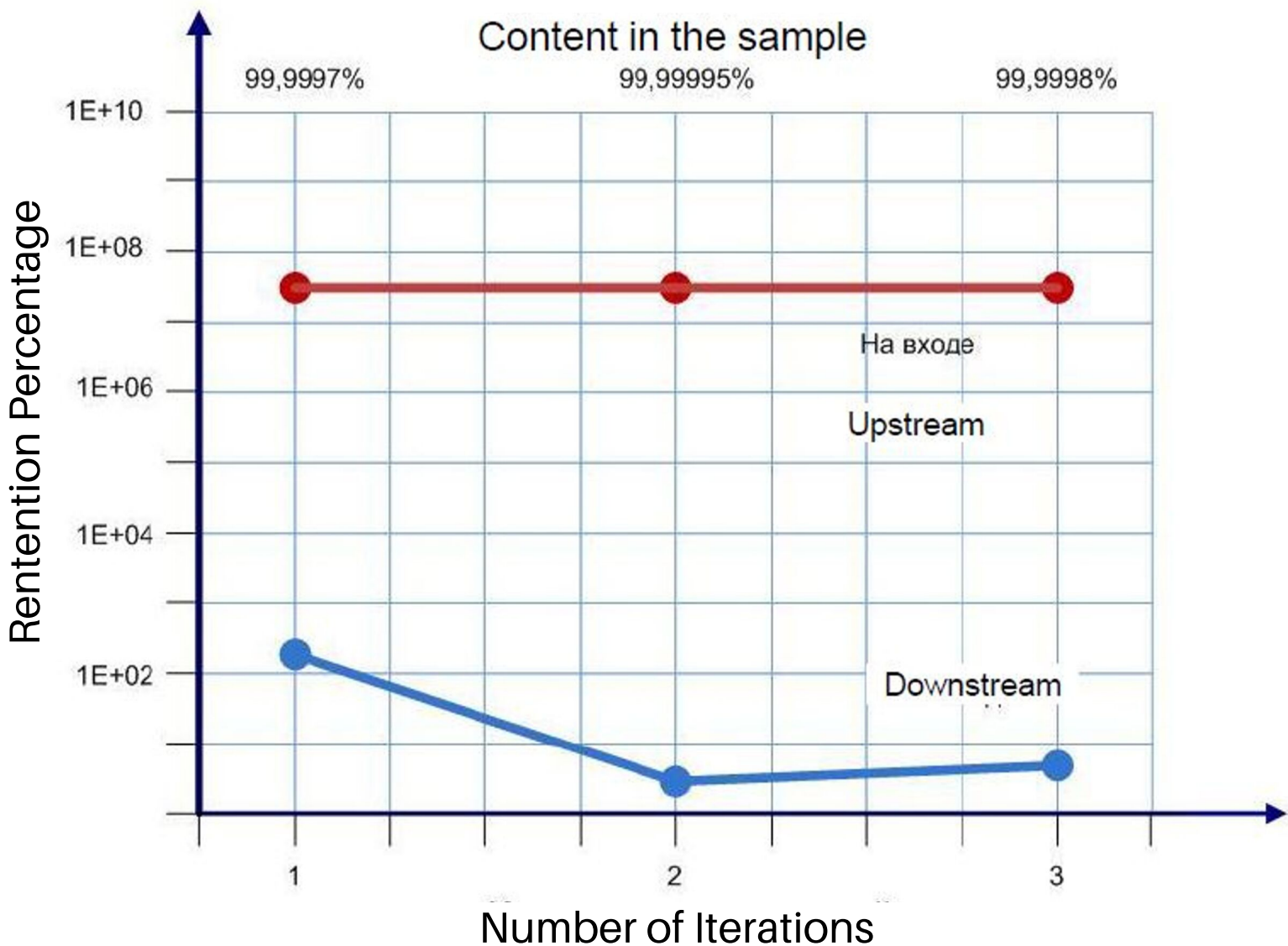
Length: 1-7 μm ; width: around 0.3-0.7 μm . The salmonellas are gram-negative mobile facultative-anaerobic bacilli.



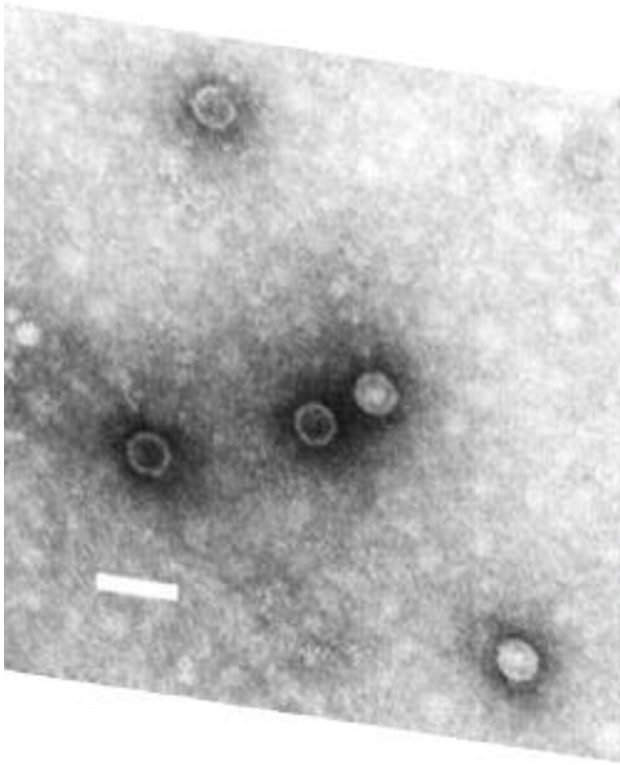
Removal of Legionella



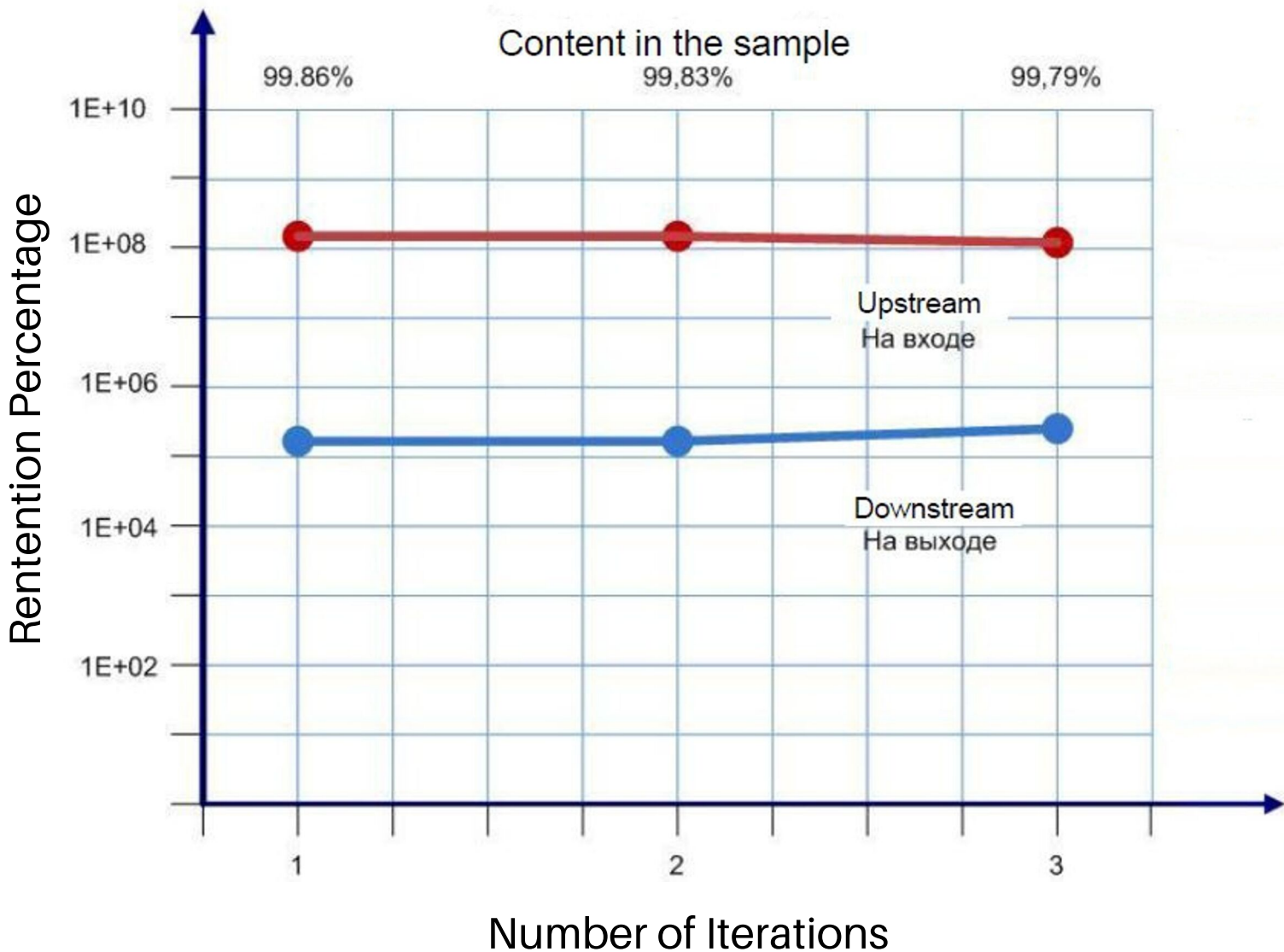
Legionella pneumophila are pathogenic gram-negative bacteria. Diameter: 0.2 to 0.7 μm , length: 2 to 20 μm . The inhabitation places of legionella are fresh water bodies and soil and also water supply and air conditioning systems in buildings, heating water converter plants and shower facilities, fountains, etc.



Removal of Poliovirus



Poliovirus (Poliovirus Strain Sabin type I) belongs to the family Picornaviridae, enterovirus (enteric virus) group. Virus size: 27-30 μm . Production and titration were on the BGMK cells (African green monkey's kidney).

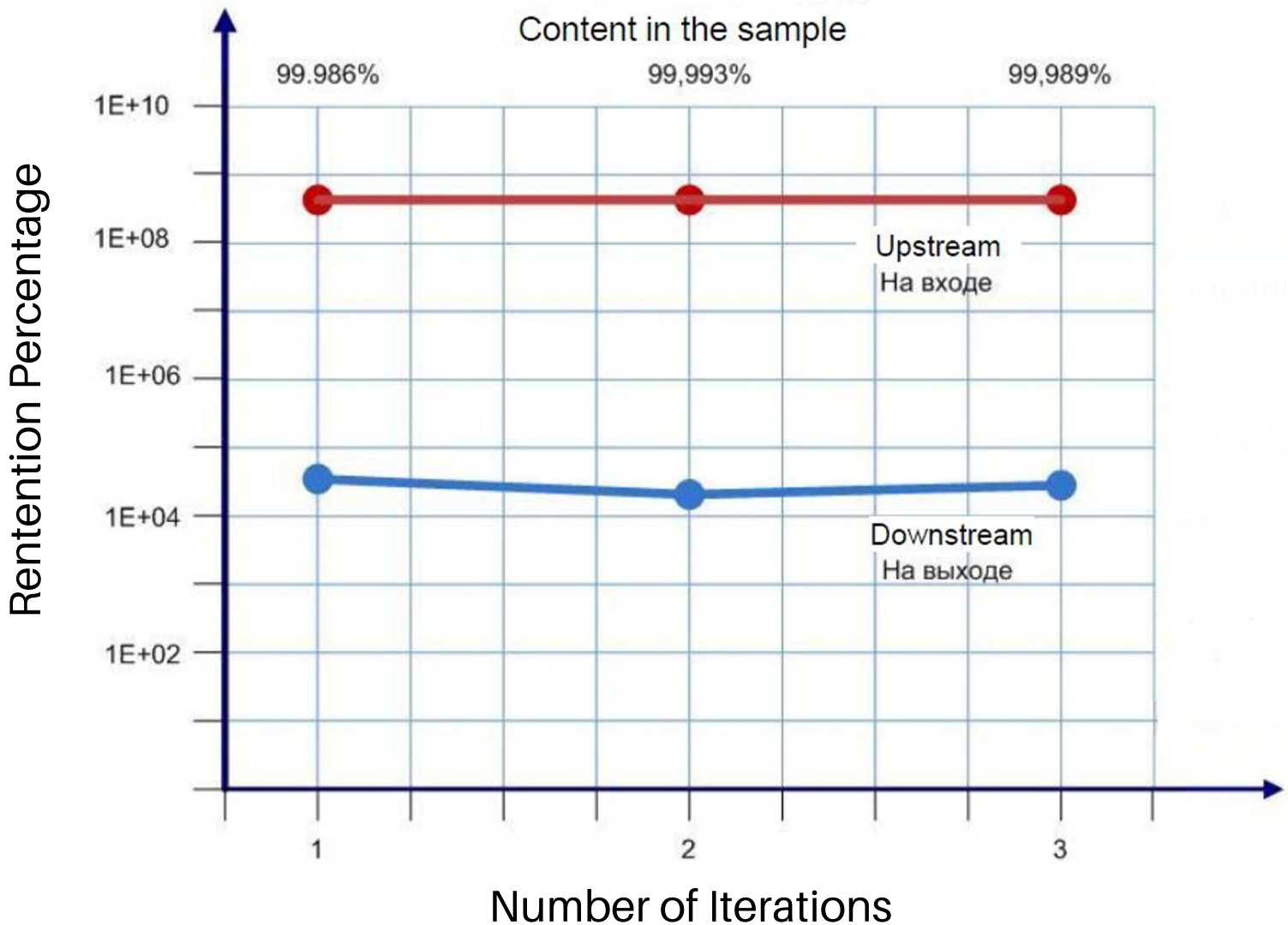


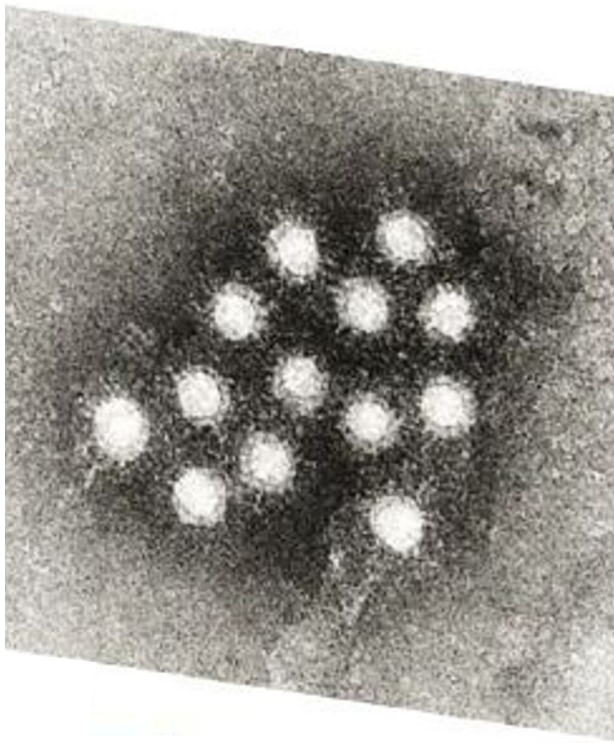
Removal of Rotavirus



Rotavirus is an enveloped virus with two-strand fragmented RNA belonging to the family Reoviridae, rotavirus infection agent.

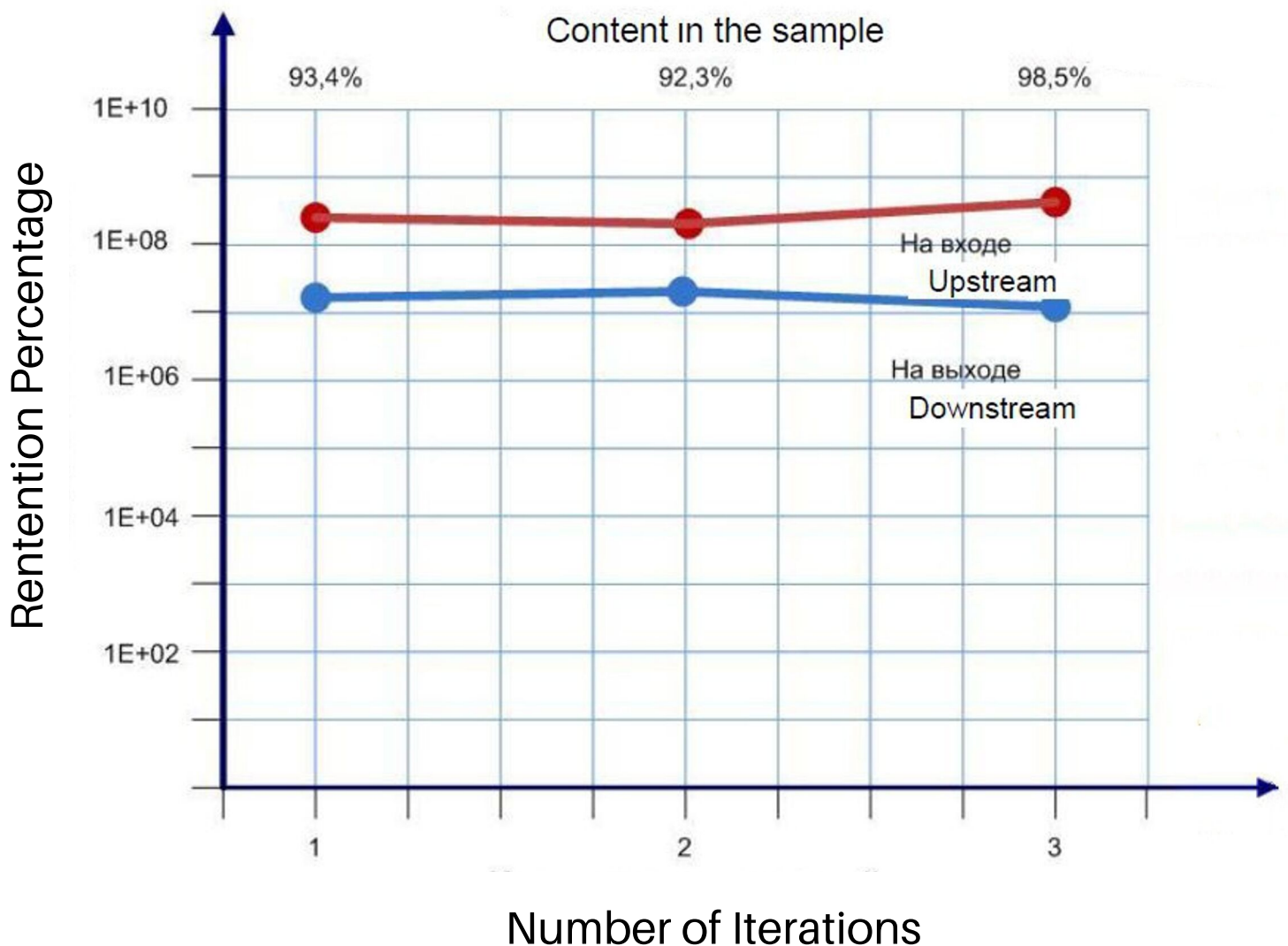
Virus size: 76.5 μm in diameter. Production and titration were on the primates MA104 cells.



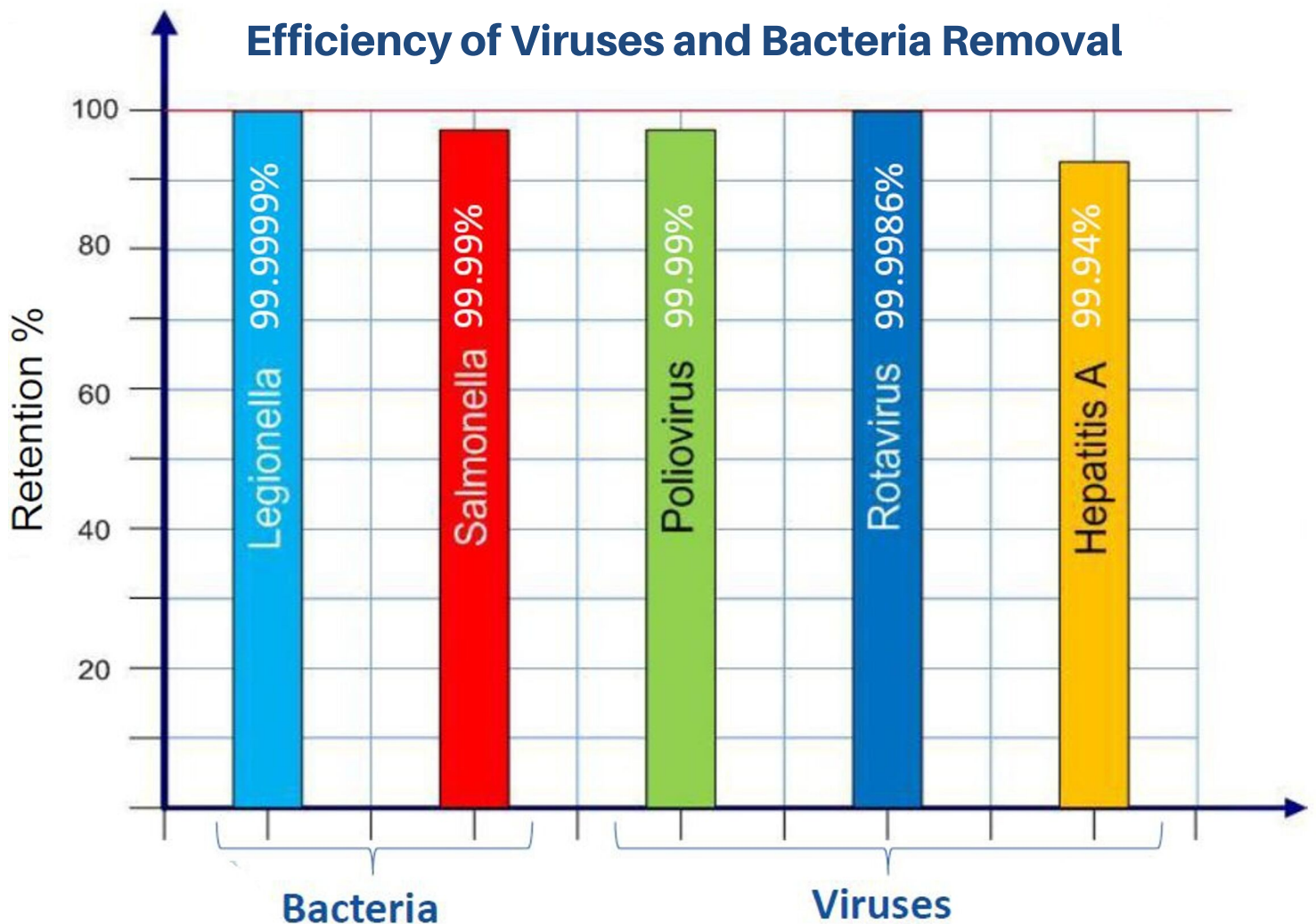


Removal of Hepatitis A

Hepatitis A (formerly known as infectious hepatitis) belongs to Picornaviridae family of viruses. It has no envelope and contains (+) singlestranded RNA packaged into protein capsid. Size: 27 μm in diameter.



Efficiency of Viruses and Bacteria Removal



Conclusion

Aragon BIO represents the most up-to-date technology for water treatment and viruses, bacteria and cists removal. That makes it possible to get completely safe and health-promoting water without boiling.

Aragon BIO can be used as well as the main element in water treatment and decontamination systems and as one of the pre-treatment stages, e.g. as a part of the membranes protection against bio contamination.

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Aragon BIO is comparable to polymeric UF/MF membranes (that are for domestic use) in efficiency. But it has greater productivity and significantly lower pressure drop.

Aragon BIO provides higher efficiency of filtration and kinetic absorption as compared to standard nonwoven fabrics including granular activated carbon.

Aragon BIO is absolutely environmentally-friendly. It can be used for potable water treatment and decontamination according to GOST R 51871-02, 51232-98.

Domestic Use

- Potable water filtration both at home and outdoors
- Water supply of house
- Water purification in emergency zones, (radioactive pollution conditions)
- Water treatment in mainlines

Commercial Use

- Treatment and purification systems for discharges
- Hot water supply (boilers)
- Pre-filtration in the membrane filtering systems
- Pre-filters for mainlines