

Selection Guide

# Lab water for every need.

A complete portfolio  
of lab water  
purification systems



# Ultrapure water systems. From Pure to Ultrapure.

EMD Millipore water purification systems incorporate advanced technologies that let you control water quality. Our ultrapure water systems are designed to meet your needs. When your product water has to be 18.2 MΩ·cm at 25 °C (Type I) with low levels of total organic carbon (TOC), typically <5 ppb, or if bacterial contamination is a concern, you can rely on EMD Millipore's ultrapure water systems.







## Milli-Q Advantage A10 System\*

- The new standard for ultrapure water, with the most convenient dispensing options
- The Q-POD (Quality Point of Delivery) unit provides final polishing at the point of use, delivering ultrapure water adapted to your needs
- Includes dual wavelength UV light and TOC monitor

## SYSTEMS

- Milli-Q® Advantage A10 System
- Milli-Q Reference System
- Simplicity® System
- Synergy® System
- Super-Q® System



## Milli-Q Reference System\*

- Delivery of ultrapure water at up to 2 liters/minute
- Available in two versions—with TOC indicator and without



## Synergy (UV)\*\* System

- Designed for labs that have access to pretreated water and need a point-of-use system to supply ultrapure water



## Simplicity (UV)\*\* System

- Simple to operate and maintain
- Can be located anywhere in your laboratory
- Produces ultrapure water on demand from pretreated water



## Super-Q Plus System\*

- The system is designed to provide the final polish to pretreated water for labs that require a high volume of ultrapure water on demand

## APPLICATIONS

- Chromatography
- Cell and Tissue Culture
- Media Preparation
- PCR
- Electrophoresis
- Molecular Biology
- Protein Research
- DNA Sequencing
- General Lab Applications
- Trace Elemental Analysis

\*Systems which can be validated.

\*\* Dual wavelength UV light (optional) is available for applications requiring low organic contaminant levels.

# Analytical and laboratory grade water. From tap to pure.

The production of pure water is essential in any laboratory. However, for most users, the production of pure water also includes high costs and extensive maintenance due to inefficient or outdated purification techniques. We offer a wide range of systems that vary in water production rates from 3 liters per hour up to 4,000 liters per day. These systems incorporate innovative technologies including reverse osmosis, electrodeionization, and other advanced purification technologies.

## Elix Advantage System\*



- System provides pressurized, bacteria-free pure water through the E-POD (Elix point of delivery)\*\*
- Up to 3 E-POD units can be installed at convenient locations in the lab. There are several application specific final filters that can be applied for additional contaminant removal
- Environmentally friendly for the lab; uses less water and electricity than distillation





## RiOs Essential 5/8/16/24 Systems

- Ideal for the production of laboratory-grade water (suitable for glassware rinsing, feedwater for humidifiers, autoclaves, and washing machines)
- Capable of producing Type III water



## Milli-DI® System

- The Milli-DI system provides deionized water directly from your tap.
- The system can produce Type II water



## RiOs 3 System

- Suitable for general, non-critical laboratory applications or as a pretreatment for ultrapure water systems
- Produces Type III water



## RiOs-DI System

- Compact and efficient way of combining reverse osmosis (RO) technology with deionization (DI) resins to produce high quality pure water
- Ideal for low volume routine laboratory applications.
- Produces Type II water



## Elix 20/35/70/100 Systems\*

- For users requiring a few hundred liters per day up to several thousand liters per day of analytical-grade water
- Includes patented Electrodeionization technology



## RiOs 30/50/100/150/200 Systems\*

- Used for general rinsing, washing equipment and autoclaving
- Suitable feedwater Milli-Q and Super-Q ultrapure water systems

\*Systems which can be validated.

\*\*With the addition of the Millipak® point-of-use filter.

## SYSTEMS

- Elix® Systems
- RiOs® Systems
- RiOs-DI® Systems
- Milli-DI® System

## APPLICATIONS

- Microbiological Media and Buffer Preparation
- Hydroponics
- Manufacture of Chemical and Biochemical Reagents
- Feed Water for Lab Equipment
- Feed for Milli-Q Systems
- Feed Clinical Analyzers
- General Washing



# Total water system solutions. From tap to pure and ultrapure.

EMD Millipore has developed complete water purification solutions for laboratories that do not have a reliable source of pure water. These systems produce pure and ultrapure water directly from tap water. This solution gives the users complete control over all water purification steps and the final water quality.



# EMD Millipore Total Water System



## Milli-Q Integral System

- Produces pressurized bacteria free water through E-POD and Q-POD units (up to 3 total)
- Water can be delivered at different flow rates from the dispensers
- Units can be programmed to dispense a specific volume and will automatically shut off when desired volume is achieved
- Validated POD packs can be added to remove contaminants that impact specific applications



## Milli-Q Direct 8/16 Systems\*

- For small volume users, delivers ultrapure water on demand directly from tap water
- Alternative to bottled water or DI cartridges
- Production rate for Type III water is 8 or 16 L/hr. Dispensing rate of Type I water is up to 2 L/min



## Direct-Q 3/5/8 Systems

- For scientists who need pure and ultrapure water and do not have easy access to acceptable quality pre-treated water

## SYSTEMS

- Milli-Q Integral Systems
- Milli-Q Direct Systems
- Direct-Q Systems

## APPLICATIONS

Various applications requiring pure or ultrapure water from potable tap water

\*Systems which can be validated.



To Receive Technical Assistance  
in the U.S. and Canada

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