# Milli-Q® Lab Water Solutions

## Ultrapure Water - Type 1

### FROM TAP TO PURE & ULTRAPURE WATER

#### Milli-Q® IQ 7003/05/10/15



**Ultrapure Water**

- Chromatography: HPLC, UHPLC, LC-MS and IC
- Elemental analysis: AAS, ICP-MS and ICP-OES
- Cell culture
- Molecular biology and biochemistry: PCR, DNA sequencing, DNA microarrays, electrophoresis and blotting

**Elix® Pure water**

- General laboratory applications: Buffer and reagent preparation, pH solutions, glassware rinsing
- Biological applications: Preparation of microbiology culture media, histology reagents and staining solutions
- Instrument feed: Weathering and stability test chambers, glassware washing machines, stainless steel autoclaves, hydrogen generators, clinical analyzers

**Available with full calibration & qualification support for easy compliance with requirements of validated environment.**

**Product flow rate: Drop by drop – 2 L/min**

**Connected system: Remote access available with PC, tablet, smart phone; wifi-enabled.**

#### Milli-Q® EQ 7008/16



**Ultrapure Water**

- Chromatography: HPLC, UHPLC and IC
- Elemental analysis: AAS, ICP-MS and ICP-OES
- Cell culture
- Molecular biology and biochemistry: PCR, DNA sequencing, DNA microarrays, electrophoresis and blotting

**RO water**

- Analytical techniques with sensitivity at ppm level or above such as pH measures or Kjeldahl test
- Chemical synthesis: reagents preparation
- Preparation of histology reagents and staining solutions
- Instrument feed: Glassware washing machines, stainless steel autoclaves

**Product flow rate: 0.5 L/min to < 2 L/min**

**Connected system: Remote access available with PC, tablet, smart phone; wifi-enabled.**

#### Milli-Q® SQ 240/240L/240XL/ 240C/240CV



**Ultrapure Water**

- Chromatography: HPLC, UHPLC
- Biochemistry
- Molecular biology
- Cell culture

**Dispensing flow rate: 1.6 L/min down to drop by drop**

**RO water**

- Reagents preparation
- Water for laboratory aquarium and laboratory animals
- Glassware rinsing
- Instrument feed: glassware washing machines, autoclaves, heating baths
- Feed for Milli-Q® SQ (Type 1) systems

**Production flow rate: 42 L/h**

**Dispensing flow rate: 5 to 10 L/min (gravity)**

**Production of RO pure water for daily needs up to 50 L.**

**Designed for self-installation & minimal maintenance performed by end user.**

### FROM PURE TO ULTRAPURE WATER

#### Super-Q®



**Ultrapure Water**

**Large volume ultrapure water applications:**

- Tissue culture media preparation
- Reagent preparation
- Microelectronics wafer rinsing
- Reagent preparation
- Microelectronics wafer rinsing

**Production of ultrapure water with high instant flow rate (12 L/min)**

#### Milli-Q® IQ 7000



**Ultrapure Water**

- Chromatography: HPLC, UHPLC, LC-MS and IC
- Elemental analysis: AAS, ICP-MS and ICP-OES
- Cell culture
- Molecular biology and biochemistry: PCR, DNA sequencing, DNA microarrays, electrophoresis and blotting

**Available with full calibration & qualification support for easy compliance with requirements of validated environment.**

**Product flow rate: Drop by drop – 2 L/min**

**Connected system: Remote access available with PC, tablet, smart phone; wifi-enabled.**

**Device Feed Solution available to directly connect to sample prep devices feeding analytical instruments.**

#### Milli-Q® EQ 7000



**Ultrapure Water**

- Chromatography: HPLC, UHPLC and IC
- Elemental analysis: AAS, ICP-MS and ICP-OES
- Cell culture
- Molecular biology and biochemistry: PCR, DNA sequencing, DNA microarrays, electrophoresis and blotting

**Product flow rate: Up to 2 L/min**

**Connected system: Remote access available with PC, tablet, smart phone; wifi-enabled.**

#### Milli-Q® SQ 200/200P



**Ultrapure Water**

- Chromatography: HPLC, UHPLC
- Biochemistry
- Molecular biology
- Cell culture

**Dispensing flow rate: 1.6 L/min down to drop by drop**

**Designed for self-installation & minimal maintenance performed by end user.**

### FROM ULTRAPURE TO TRACE ANALYSIS

#### Milli-Q® IQ Element



**Ultrapure Water for Trace Elemental Analysis**

- Elemental analysis: ICP-MS, GF-AAS, trace IC

**Connects to Milli-Q® IQ 7 series to produce ultrapure water suitable for trace elemental analysis.**

**All components for water production are made from selected low-extractable materials for product water that is free of ions, metals and particles.**

**Device Feed Solution available to directly connect to sample prep devices feeding analytical instruments.**

**Foot pedal and dispenser provide hands-free water delivery.**

**Product flow rate: Up to 1.5 L/min**

## Pure Water - Type 2

### FROM TAP TO PURE WATER

#### Milli-Q® HX 7*Series*



**Elix® Pure Water**

**Designed to be at the heart of a central system, distributing water to several labs or an entire building.**

- General laboratory applications: Buffer and reagent preparation, pH solutions, glassware rinsing
- Biological applications: Microbiology culture media preparation, staining solutions for histology
- Instrument feed: Weathering and stability test chambers, glassware washing machines, stainless steel autoclaves, hydrogen generators, clinical analyzers
- Feed for Type 1 systems

**MyMilli-Q™ digital services with remote management capability supports greater uptime, faster support and easier data traceability.**

**Elix® EDI and E.R.A.® technologies for low and predictable running costs.**

**Available with full calibration & qualification support for easy compliance in regulated environments.**

**Production of up to 9000 L per day of pure water.**

**Connected system: Remote access available from external devices and optional BMS/LIMS connection.**

#### Milli-Q® HX-SD 7*Series*



**Elix® Pure Water**

**An all-in-one system with integrated 140 L tank and distribution pump, for large labs or an entire building floor.**

- General laboratory applications: Buffer and reagent preparation, pH solutions, glassware rinsing
- Biological applications: Microbiology culture media preparation, staining solutions for histology
- Instrument feed: Weathering and stability test chambers, glassware washing machines, stainless steel autoclaves, hydrogen generators, clinical analyzers
- Feed for Type 1 systems

**MyMilli-Q™ digital services with remote management capability supports greater uptime, faster support and easier data traceability.**

**Elix® EDI and E.R.A.® technologies for low and predictable running costs.**

**Available with full calibration & qualification support for easy compliance in regulated environments.**

**Production of up to 3000 L per day of pure water with distribution flow rate up to 20 L/min.**

**Connected system: Remote access available from external devices and optional BMS/LIMS connection.**

#### Milli-Q® IX IX 7*Series*



**Elix® Pure Water**

- General laboratory applications: Buffer and reagent preparation, pH solutions, glassware rinsing
- Biological applications: Microbiology culture media preparation, staining solutions for histology
- Instrument feed: Weathering and stability test chambers, glassware washing machines, stainless steel autoclaves, hydrogen generators, clinical analyzers
- Feed for Type 1 systems

**Available with full calibration & qualification support for easy compliance with requirements of validated environment.**

**Product flow rate: Up to 2 L/min**

**Elix® EDI technology for low and predictable running costs.**

**Connected system: Remote access available with PC, tablet, smart phone; wifi-enabled.**

#### Elix® Essential



**Elix® Pure Water**

- General laboratory applications: Buffer and reagent preparation, pH solutions, glassware rinsing
- Biological applications: Microbiology culture media preparation, staining solutions for histology
- Instrument feed: Weathering and stability test chambers, glassware washing machines, stainless steel autoclaves, hydrogen generators, clinical analyzers
- Feed for Type 1 systems

**Production of up to 300 L per day of pure water thanks to Elix® electrodeionization technology.**

#### Milli-DI®



**DI water**

- Autoclave (steam)
- General laboratory applications
- Glassware rinsing
- Washing machines

**For labs that require up to 10 L per day of deionized water for non-critical applications.**

## Pure Water - Type 3 & RO

### FROM TAP TO PURE WATER

#### Milli-Q® HR 7*Series*



**RO Water**

**Designed to be at the heart of a central system, distributing water to several labs or an entire building.**

- Glassware rinsing
- Instrument feed: glassware washing machines, autoclaves, heating baths, rotavapors
- Water for laboratory aquarium and laboratory animals
- Feed for Type 1 systems

**MyMilli-Q™ digital services with remote management capability supports greater uptime, faster support and easier data traceability.**

**Available with full calibration & qualification support for easy compliance in regulated environments.**

**Production of pure water for daily needs up to 13,000 L per day.**

**Connected system: Remote access available from external devices and optional BMS/LIMS connection.**

#### RiOs™ Essential



**RO Water**

- Glassware rinsing
- Instrument feed: glassware washing machines, autoclaves, heating baths, rotavapors
- Water for laboratory aquarium and laboratory animals
- Feed for Type 1 systems

**Production of pure water for daily needs up to 480 L per day.**

#### Milli-Q® SR 240/240L/240XL



**RO Water**

- Reagents preparation
- Water for laboratory aquarium and laboratory animals
- Glassware rinsing
- Instrument feed: glassware washing machines, autoclaves, heating baths
- Feed for Milli-Q® SQ (Type 1) systems

**Production flow rate: 42 L/h**

**Dispensing flow rate: 5 to 10 L/min (gravity)**

**Production of RO pure water for daily needs up to 50 L.**

**Designed for self-installation & minimal maintenance performed by end user.**

## CLRW Biomedical Water

### PURE WATER FOR BIOMEDICAL LABS

#### Milli-Q® CLX 8*Series*



**CLRW Water**

**Designed to feed up to several analyzers or pieces of equipment.**

- Clinical Laboratory Reagent Water for biomedical applications: chemistry, immunochemistry, hematology, microbiology, histology, molecular biology
- Feed for laboratory instruments: Weathering and stability test chambers

**MyMilli-Q™ digital services includes Service Total Predict™ Plan to target 99.9% uptime, and achieve faster support and easier data traceability.**

**Elix® EDI and E.R.A.® technologies for low and predictable running costs.**

**Available with full calibration & qualification support for easy compliance with requirements of validated environment.**

**Production of up to 3000 L per day of pure water with distribution flow rate of 4 L/min.**

**Connected system: Remote access available with PC, tablet, smartphone and optional BMS/ LIMS connection.**

#### AFS®, AFS® D, AFS® E

(Analyzer feed systems)



**CLRW Water**

- Clinical Laboratory Reagent Water for biomedical applications: chemistry, immunochemistry, hematology, microbiology, histology, molecular biology
- Feed for laboratory instruments: Weathering and stability test chambers

**3 ranges designed to feed clinical analyzers. Available with degassing unit or Elix® electrodeionization technology.**

**Production of up to 480 L per day of pure water with distribution flow rate of up to 2 L/min.**

Greener Alternative Product

MyMilli-Q™ Remote Care capable

All our water purification systems under warranty or service contract benefit from MyMilli-Q™ digital services to simplify system management.

**Brilliant, always.**

To find out more, visit
**SigmaAldrich.com/milliq**

Milli-Q®
Lab Water Solutions

**The Life Science business of Merck operates as MilliporeSigma in the U.S. and Canada.**

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