

Milli-Q Integral Water Purification System

Manufacturer: [Merck Millipore](#)

Model: [Milli-Q Integral 5 Pure and Ultrapure Water Production Unit with built-in Resistivity and TOC meter](#)

Descriptions:

Direct-Q® systems deliver both pure and ultrapure water directly from tap for use with a wide variety of applications in your lab. With the Direct-Q® range, you can choose the solution that is right for you. A number of versatile solutions exist to match your specific needs, including systems with multiple flow rates and corresponding storage volumes that are equipped with integrated or external reservoirs and designed for under bench-, bench- or wall-mounting.

The ultrapure water quality can be tuned to match the applications. The system's built-in 185/254 nm UV lamp reduces the levels of organics for critical applications, and also destroys bacteria.

The system's versatile remote dispenser helps you stay focused on your work by providing ultrapure water delivery where you need it. The remote dispenser can be placed up to two meters from the Direct-Q® system, and are available in free-standing or wall-mounted models. Alternatively, systems in the Direct-Q® range are available with an integrated dispenser for use on the bench top.

Features:

- Produce Type 1 ultrapure water (18.2 MΩ•cm resistivity at 25 °C and < 10 ppb Total Organic Carbon) on demand directly from potable tap water.
- Available with a built-in 185 and 254 nm UV lamp for production of low TOC water required by organic-sensitive applications.
- Produce Type 3 (Reverse Osmosis) water for basic lab applications at a flow rate of 3, 5, or 8 liters per hour at 15 °C. Type 3 water is easily available from the 6L built-in reservoir, or the external 30/60 L reservoirs.
- Maintenance reduced to a single cartridge change once or twice a year.
- Ideal for laboratories that do not have easy access to pretreated water and need between 1 and 10 L of ultrapure water per day.
- Alarm warning in case of a sudden drop in the quality of the product water.

- Dispensing adapted to different size laboratory glassware.
- Time-saving fixed volume dispenses.

Specifications:

Ultrapure (Type 1) Product Water Quality*	Direct-Q® Systems
Resistivity	18.2 MΩ·cm at 25 °C
Production flow rate Direct-Q® 3	3 L/h @ 15 °C +/- 15 %
Production flow rate Direct-Q® 5	5 L/h @ 15 °C +/- 15 %
Production flow rate Direct-Q® 8	8 L/h @ 15 °C +/- 15 %
Instant flow rate (with Application Pak final filter)	>0.5 L/min
TOC (w/o 185/254 nm UV lamp)	<10 ppb
TOC (with 185/254 nm UV lamp)	<5 ppb
Particulates (size > 0.22 µm) **	<1 Particulate/mL
Bacteria**	<0.1 cfu/mL
Endotoxin*** (pyrogens)	<0.001 EU/mL
RNases***	<0.01 ng/mL
DNases***	<4 pg/µL

* In regular operating conditions
 **With Millipak Express 20 (0.22 µm) membrane filter or with BioPak ultrafiltration cartridge as final polisher
 ***Only with BioPak ultrafiltration cartridge as final polisher

