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Технические характеристики

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CP1ALLRES AFS® Cartridge

For AFS® 3 systems

Quality Level.....	300
feature	Virgin ion-exchange resins for ion removal
packaging	pkg of 1 unit
manufacturer/tradename	AFS®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
compatibility.....	for use with AFS® (1999-2012)
shipped in	ambient

Description

General description

AFS® Cartridges contain a combination of purification media carefully selected to remove trace ionic contaminants affecting specific applications. Cartridges are constructed from polypropylene and polyethylene, which are suitable for the production of pure water and are qualified for low organics and ionic extractables.

Application

The AFS® Cartridge removes ionic contaminants to match the water quality required for your applications.

Features and Benefits

Guarantee water quality.

Ensure compliance with system specifications.

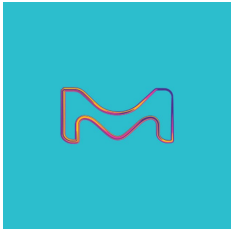
Purification technology involves the use of ion-exchange resins for ion removal.

Components

Virgin ion-exchange resins for ion removal

Legal Information

AFS is a registered trademark of Merck KGaA, Darmstadt, Germany



SIMPAK0D3
SimPak® Purification Cartridge

For use with Simplicity® systems with DI containing high silt water feed

UNSPSC Code 41104212

description.....For Simplicity® systems with DI containing high silt water feed
packaging.....pkg of 1 unit
compatibility.....for use with Simplicity® UV
.....for use with Simplicity®

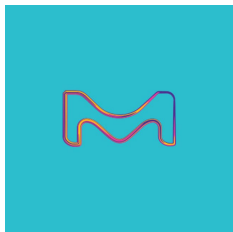
Description

Application

SimPak® 3 Purification Cartridge for use with Simplicity® systems with DI containing high silt water feed

Legal Information

SIMPAK is a registered trademark of Merck KGaA, Darmstadt, Germany
SIMPLICITY is a registered trademark of Merck KGaA, Darmstadt, Germany



SIMPAK^{KR}1
Kit: SimPak[®] 1 Purification

for use with Simplicity[®], for use with Simplicity[®] UV

packaging	pkg of 1 kit
Quality Level.....	300
compatibility.....	for use with Simplicity [®] UV
.....	for use with Simplicity [®]

Description

General description

For SIMPLICITY[®] systems with ELIX[®] / RO / distilled water feed

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany
SIMPAK is a registered trademark of Merck KGaA, Darmstadt, Germany
SIMPLICITY is a registered trademark of Merck KGaA, Darmstadt, Germany



EGARDT1X1

E-Gard® Purification Pack

Designed to remove trace of ionic contaminants affecting specific applications.

Quality Level.....300
featureremoves trace contaminants
packagingpkg of 1 unit
manufacturer/tradenameE-Gard®
technique(s).....ion chromatography: suitable
H.....32 cm (12.6 in.)
compatibility.....for use with Elix® Advantage
shipped inambient

Description

General description

E-Gard® Purification Pack has been designed to improve pure water quality by removing trace of ionic contaminants.

Features and Benefits

E-Gard® Purification Pack includes a combination of purification media for effective removal of trace contaminants affecting water purity.

Constructed from polypropylene and polyethylene which are suitable to produce pure and ultrapure water and have been qualified for low organics and ionic extractable.

Ion exchange resin cartridge

Legal Information

E-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany



SIPK0SIX3
SimpliPak® Purification Cartridge

For Simplicity® systems with DI water feed containing high silt

Quality Level.....300
feature(For Simplicity® systems with DI containg high silt water feed)
packagingpkg of 1 unit
compatibility.....for use with Simplicity® UV
.....for use with Simplicity®

Description

General description

This SimpliPak® 3 Purification Cartridge is used to remove ionic and organic contaminants down to trace level from DI water containing high silt content.

Application

For use with Simplicity® and Simplicity® UV water purification systems.

Legal Information

SIMPLICITY is a registered trademark of Merck KGaA, Darmstadt, Germany
SIMPLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SIPK0SIX2 SimpliPak® Purification Cartridge

For Simplicity® systems with DI water feed

material.....	resin (Electronic Grade Ion-Exchange Resin)
Quality Level.....	300
feature.....	can remove trace contaminants
packaging.....	pkg of 1 unit
manufacturer/tradename	SimpliPak®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
compatibility.....	for use with Simplicity® UV
.....	for use with Simplicity®
shipped in	ambient

Description

General description

SimpliPak® 2 Purification Cartridge is designed to remove ionic and organic contaminants down to trace levels from DI water feed. The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants.

Application

SimpliPak® 2 Purification Cartridge can be used with Simplicity® water purification systems.

Features and Benefits

Genuine consumable for the replacement of SIPK0SIX2 - SimpliPak® 2 Purification Cartridge.

Care-free maintenance: easily installed and replaced.

Generates ionic and organic contaminant-free water by ion exchange and activated carbon technologies

Legal Information

SIMPLICITY is a registered trademark of Merck KGaA, Darmstadt, Germany

SIMPLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SIPK0SIA1 SimpliPak® Purification Cartridge

For Simplicity® water purification systems with Elix® / RO / distilled water feed

Quality Level.....	300
feature	can remove trace contaminants
packaging	pkg of 1 unit
manufacturer/tradename	SimpliPak®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
pore size.....	0.05 µm pore size
compatibility.....	for use with Simplicity® UV
.....	for use with Simplicity®
shipped in	ambient

Description

General description

SimpliPak® 1 Purification Cartridge is designed to remove ionic and organic contaminants down to trace levels when fed with Elix® / RO / distilled water feed.

The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants.

Application

Removes ionic and organic contaminants down to trace levels.

Features and Benefits

Genuine consumable for the replacement of SIPK0SIA1 - SimpliPak® 1 Purification Cartridge.

Care-free maintenance: easily installed and replaced.

Generates ionic and organic contaminant-free water by ion exchange, and activated carbon technologies.

Certificate of Quality available online.

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

SIMPLICITY is a registered trademark of Merck KGaA, Darmstadt, Germany

SIMPLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



CPDI000L1

DI-PAK® Purification Pack

Large: 4.7 kg, Produces deionized water, for use with Milli-DI® systems

UNSPSC Code 41104202
eCl@ss 33050190
NACRES NA.21

material.....cartridge (mixed bed ion exchange resin and activated carbon)
Quality Level.....300
featureActivated carbon : to remove chlorine and organic compounds.
.....Mixed bed resin : to remove ions.
packagingpkg of 1 unit
manufacturer/tradenameDI-PAK®
parameter4.7 kg operating weight
technique(s).....ion chromatography: suitable
H × W × D.....520 mm × 160 mm × 85 mm
conductivity.....400 µS/cm (Feed water conductivity)
compatibility.....for use with Milli-DI®
shipped inambient

Description

General description

The DI-PAK® Purification Pack (Large) is a disposable water purification cartridge for use with Milli-DI® systems. It produces deionized water with resistivity >1Mohm.cm @ 25 °C, using tap water as the feed source.

Application

The DI-PAK® Purification Pack (Large) removes chlorine, colloids and ionic contaminants to match the water quality required for your application.

Features and Benefits

Easy maintenance: DI-PAK® Purification Pack (Large) purification pack can be changed in a matter of seconds with no risk of leakage. The LED display warns you when pack exchange is needed.
It allows the purification of about 300 L of water, with a resistivity >1 Mohm.cm @ 25°C (feedwater conductivity= 400 mS/cm and dissolved CO₂ = 0 ppm).
Purification process utilizes activated carbon and ion-exchange technology.
Produces 3 to 5 L of pure water per day.
Feed water source: tap water.

Legal Information

DI-PAK is a registered trademark of Merck KGaA, Darmstadt, Germany
MILLI-DI is a registered trademark of Merck KGaA, Darmstadt, Germany



CPDI0NJM1

DI-PAK® Purification Pack

Medium: 2.4 kg, Produces deionized water, for use with Milli-DI® systems

UNSPSC Code 41104202

eCl@ss 33050190

NACRES NA.21

material.....cartridge (Mixed bed ion exchange resin and granular carbon)
Quality Level.....300
featureActivated carbon : to remove chlorine and organic compounds.
.....Mixed bed resin : to remove ions.
packagingpkg of 1 unit
manufacturer/tradenameDI-PAK®
parameter2.4 kg operating weight
technique(s).....ion chromatography: suitable
H × W × D.....395 mm × 160 mm × 85 mm
conductivity.....400 µS/cm (Feed water conductivity)
compatibility.....for use with Milli-DI®
shipped inambient

Description

General description

The DI-PAK® Purification Pack (Medium) is a disposable water purification cartridge for use with Milli-DI® systems. It produces deionized water with resistivity >1 Mohm.cm @ 25 °C, using tap water as the feed source.

Application

The DI-PAK® Purification Pack (Medium) removes chlorine, colloids and ionic contaminants to match the water quality required for your application.

Features and Benefits

Easy maintenance: DI-PAK® Purification Pack (Medium) can be changed in a matter of seconds with no risk of leakage. The LED display warns you when pack exchange is needed.

It allows the purification of about 300 L of water with a resistivity >1 Mohm.cm @ 25 °C (feedwater conductivity = 400 mS/cm and dissolved CO₂ = 0 ppm).

Purification process uses activated carbon and ion-exchange technology.

Produces 3–5 L of pure water per day.

Feed water source: tap water.

Legal Information

DI-PAK is a registered trademark of Merck KGaA, Darmstadt, Germany

MILLI-DI is a registered trademark of Merck KGaA, Darmstadt, Germany



SYPK0SIA1

SynergyPak®1 Purification Cartridge

For Synergy® systems connected to Elix® / RO / distilled water feed

Quality Level.....	300
feature	can produce ultrapure water from pure water
packaging	pkg of 1 unit
manufacturer/tradename	SynergyPak®
resistivity.....	>18.0 MΩ-cm (at 25 degree celcius)
pore size.....	0.22 µm pore size
compatibility.....	for use with Synergy® UV
.....	for use with Synergy®
shipped in	ambient

Description

General description

SynergyPak® purification cartridge is designed to produce ultrapure water when fed with Elix®, RO or distilled water. The cartridge improves water quality by removing ionic and organic contaminants below trace levels to meet your application needs.

It contains a combination of purification media, such as Jetpore® ultrapure grade mixed-bed ion-exchange resin, selected specifically to remove trace water contaminants from pure water.

The SynergyPak® cartridge should be periodically replaced during the maintenance of the system. SynergyPak® cartridge is compatible with all Synergy® water purification systems.

Application

SynergyPak® cartridge removes ionic and organic contaminants down to trace levels.

Features and Benefits

Virgin ion-exchange resins
Synthetic activated carbon
Easy replacement

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

SYNERGY is a registered trademark of Merck KGaA, Darmstadt, Germany

SYNERGYPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SYPK0SIX3

SynergyPak® Purification Cartridge

For Synergy® systems connected to DI water feed containing high silt

material.....	resin (Ion-Exchange Resin)
Quality Level.....	300
packaging.....	pkg of 1 unit
manufacturer/tradename.....	SynergyPak®
matrix.....	Macroporous
capacity.....	26 g/L ion exchange capacity
compatibility.....	for use with Synergy® UV
.....	for use with Synergy®
shipped in.....	ambient

Description

General description

SynergyPak® cartridge is designed to produce ultrapure water when the Synergy® systems are fed with DI (non-particulate-free) water.

The cartridge utilizes all main purification technologies. As the final step, the pretreated water is purified at the point-of-dispense by removing trace contaminants critical for your experiments.

The cartridge should be periodically replaced during the maintenance of the system.

Application

The cartridge removes water ionic contaminants down to trace levels.

Features and Benefits

"plug-and-use" design for easy and rapid replacement.

Requires low-level self-maintenance.

Activated carbon, ion-exchange and depth filtration technology to purify water.

Legal Information

SYNERGY is a registered trademark of Merck KGaA, Darmstadt, Germany

SYNERGYPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SYPK0SIX2

SynergyPak® Purification Cartridge

For Synergy® systems to produce ultrapure water from DI (deionized) water feed

material.....	resin (Electronic Grade Ion-Exchange Resin)
Quality Level.....	300
feature.....	can remove trace contaminants
packaging.....	pkg of 1 unit
manufacturer/tradename	SynergyPak®
resistivity.....	>18.0 MΩ-cm (at 25 degree celcius)
pore size.....	0.22 µm pore size
compatibility.....	for use with Synergy® UV
.....	for use with Synergy®
shipped in	ambient

Description

General description

SynergyPak® purification cartridge is designed to produce ultrapure water from Milli-DI® or DI (particulate-free) feed water. The cartridge includes all main purification technologies carefully selected to remove ionic and organic contaminants to match the water quality required for your specific applications. The cartridge should be periodically replaced during the maintenance of the system. For use with Synergy® ultrapure water purification systems.

Application

The cartridge removes water ionic contaminants down to trace levels.

Features and Benefits

Easy and rapid replacement.
Uses activated carbon, ion-exchange and depth filtration technology.

Legal Information

MILLI-DI is a registered trademark of Merck KGaA, Darmstadt, Germany
SYNERGY is a registered trademark of Merck KGaA, Darmstadt, Germany
SYNERGYPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR0LS001

SmartPak® Purification Pack

For use with RiOs™ 3/5 Water Purification System

Quality Level.....300
packagingpkg of 1 unit
manufacturer/tradenameSmartPak®
compatibility.....for use with RiOs™

Description

General description

This replacement cartridge is used to pretreat water by efficiently removing contaminants from feed water.

Application

The single SmartPak® RO cartridge (with integrated RO membrane) enables easy and rapid replacement.

Legal Information

RIOS is a trademark of Merck KGaA, Darmstadt, Germany

SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR00S001

SmartPak® Purification Pack

For use with RiOs™ 3 Systems

Quality Level.....300
featureA unique purification pak to product RO water directly from tap water
packagingpkg of 1 unit
manufacturer/tradenameSmartPak®
compatibility.....for use with RiOs™
shipped inambient

Description

General description

SmartPak® RO 3 Purification Pack is used with RiOs™ 3 Systems.

Application

This pak removes a wide variety of contaminants (organics, ions, particles...)

Features and Benefits

Genuine consumable for the replacement of SPR00S001 - SmartPak® RO 3 Purification Pack.

Legal Information

RIOS is a trademark of Merck KGaA, Darmstadt, Germany

SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR00SIA2

SmartPak® Purification Pack

For RiOs-DI® Systems

Quality Level.....	300
feature	A unique purification pak to produce DI water directly from tap water
packaging	pkg of 1 unit
manufacturer/tradename	SmartPak®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
compatibility.....	for use with RiOs-DI® UV
.....	for use with RiOs-DI®
.....	for use with RiOs-DI® Clinical
shipped in	ambient

Description

General description

The SmartPak® RODI Purification Pack combines the purifications steps of reverse osmosis and ion exchange to produce type 2 pure water.

For use with RiOs-DI® water purification systems.

Application

This pack removes a wide variety of contaminants (organics, ions, particles...).

Features and Benefits

Genuine consumable for the replacement of SPR00SIA2 - SmartPak® Purification Pack.

Reliable and affordable type 2 pure water solution.

Care-free maintenance: easily installed and replaced.

Certificate of Quality available online.

Legal Information

RIOS-DI is a registered trademark of Merck KGaA, Darmstadt, Germany

SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR08SIA1

SmartPak® Purification Pack

For Direct-Q® 8 Water Purification Systems

Quality Level.....300
packagingpkg of 1 unit
manufacturer/tradenameSmartPak®
resistivity.....>18.0 MΩ-cm (at 25 °C)
compatibility.....for use with Direct-Q® UV
.....for use with Direct-Q®
shipped inambient

Description

General description

The SmartPak® DQ8 purification pack contains a combination of selective purification media to produce pure and ultrapure water directly from tap water. The SmartPak® DQ3 is an all-in-one twin cartridge removes trace impurities from tap water. The first cartridge combines pretreatment media and a reverse osmosis (RO) membrane. The second cartridge contains ion-exchange resins. This pack also contains exclusive Jetpore®, ultrapure grade mixed-bed ion-exchange resin to produce pure and ultrapure water directly from tap water. The SmartPak® needs to be periodically replaced during maintenance of the system. For use with Direct-Q® 8 Systems.

Application

This pack removes a wide variety of contaminants (organics, ions, particles...)

Features and Benefits

Genuine consumable for the replacement of SPR08SIA1 SmartPak® DQ8 Purification Pack.
Reliable and affordable ultrapure water solution.
Pretreatment (activated carbon and depth filter).
Reverse osmosis cartridge.
Synthetic activated carbon.
Virgin ion-exchange resins.
Certificate of Quality available online.

Legal Information

DIRECT-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany
SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR0LSIA1

SmartPak® Purification Pack

Purifies pure and ultrapure water for Direct-Q® systems with low (<15 °C) feed water temperature

Quality Level.....	300
feature	Produces ultrapure water directly from tap water
packaging	pkg of 1 unit
manufacturer/tradename	SmartPak®
resistivity.....	>18.0 MΩ-cm (at 25 degree celcius)
compatibility.....	for use with Direct-Q® UV
.....	for use with Direct-Q®
shipped in	ambient

Description

General description

The SmartPak® DQ3 Purification Pack LT contains a combination of selective purification media to produce Type 3 pure and Type 1 ultrapure water directly from tap water.

The SmartPak® DQ3 is an all-in-one twin cartridge removes trace impurities from tap water. The first cartridge combines pretreatment media and a reverse osmosis (RO) membrane. The second cartridge contains ion-exchange resins.

This pack contains exclusive Jetpore®, ultrapure grade mixed-bed ion-exchange resin to produce pure and ultrapure water directly from tap water.

The SmartPak® needs to be periodically replaced during maintenance of the system.

For use with Direct-Q® water purification systems with low (<15 °C) feed water temperature.

Application

This pack removes a variety of water contaminants (ions, organics, particles...).

Features and Benefits

Pretreatment (activated carbon and depth filter).

Reverse osmosis cartridge.

Synthetic activated carbon.

Virgin ion exchange resins.

Care-free maintenance: easily installed and replaced.

Certificate of Quality available online.

Legal Information

DIRECT-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR00SIA1

SmartPak® Purification Pack

For use with Direct-Q® 3 Systems

Quality Level.....	300
feature	A unique purification pak to produce ultrapure water directly from tap water
packaging	pkg of 1 unit
manufacturer/tradename	SmartPak®
parameter	>0.5 L/min flow rate
compatibility.....	for use with Direct-Q® UV
.....	for use with Direct-Q®
shipped in	ambient

Description

General description

The SmartPak® DQ3 purification pack contains a combination of selective purification media to produce ultrapure water directly from tap water. The SmartPak® DQ3 is an all-in-one twin cartridge removes trace impurities from tap water. The first cartridge combines pretreatment media and a reverse osmosis (RO) membrane. The second cartridge contains ion-exchange resins. This pack also contains exclusive Jetpore®, ultrapure grade mixed-bed ion-exchange resin to produce pure and ultrapure water directly from tap water. The SmartPak® needs to be periodically replaced during maintenance of the system. For use with Direct-Q® 3 water purification systems.

Application

This all-in-one pack removes a wide variety of water contaminants (organics, ions, particles...).

Features and Benefits

Genuine consumable for the replacement of SmartPak® DQ3 Purification Pack LT.
Pretreatment (activated carbon and depth filter).
Reverse osmosis cartridge.
Synthetic activated carbon.
Virgin ion-exchange resins.

Legal Information

DIRECT-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany
SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SPR08S001

SmartPak® Purification Pack

For use with RiOs™ 8 Water Purification System

Quality Level.....300
packagingpkg of 1 unit
manufacturer/tradenameSmartPak®
compatibility.....for use with RiOs™

Description

General description

This replacement cartridge is used to pretreat water by efficiently removing contaminants from feed water.

Application

The single SmartPak® RO cartridge (with integrated RO membrane) enables easy and rapid replacement.

Legal Information

RIOS is a trademark of Merck KGaA, Darmstadt, Germany

SMARTPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



SQPAKT0CM1

SQPAK™ TOC Quanta Cartridge

Produces ultrapure (Type 1) water with TOC ≤ 5 ppb. Use with the ultrapure dispensing module of Milli-Q® SQ 2Series systems.

Quality Level.....	300
packaging	pkg of 1 unit
greener alternative product characteristics.....	Design for Energy Efficiency
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
compatibility.....	for use with Milli-Q® SQ 2Series
greener alternative category	, DfS-Developed

Description

General description

To learn how Milli-Q® SQ 2Series water systems work and read a full overview, visit our dedicated page.

The SQPAK™ TOC Quanta cartridge produces ultrapure (Type 1) water at 18.2 MΩ·cm resistivity and TOC ≤ 5 ppb.

The cartridge contains IQnano™ ion-exchange media to remove ions down to trace levels and high-grade synthetic activated carbon that targets traces of organic contaminants.

For use on the ultrapure dispensing module of Milli-Q® SQ 2Series configurations, including Milli-Q® SQ 200/200P and SQ 240C/240CV systems.

We are committed to bringing you Greener Alternative Products, which belongs to one of the four categories of greener alternatives . This product is a Design for Sustainability (DfS) developed product. Click here to view its DfS scorecard.

Features and Benefits

Easy replacement thanks to the Twist & Lock mechanism

Need for cartridge replacement is indicated by an orange blinking pictogram light on the system

Ultrapure label and blue color of the SQPAK™ Quanta cartridge are repeated on the production station interface, to inform about its water purification purpose and guide replacement

Legal Information

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

SQPAK is a trademark of Merck KGaA, Darmstadt, Germany



QTUMMPEIX

Kit: Quantum® IX Cartridge & Millipak®

Kit with Millipak® 20 Express Filter, For use with Milli-Q® water purification systems.

material.....polyethersulfone filter
.....polypropylene and polyethylene cartridge
Quality Level.....300
packaging.....pkg of 1 kit
manufacturer/tradenameMillipak®
.....Quantum®
pore size.....0.22 µm pore size

Description

General description

This kit is composed of a Quantum® IX Cartridge and a Millipak® 20 Express Final Filter.

The Quantum® IX Polishing Cartridge contains a combination of purification media carefully selected to remove trace contaminants affecting specific applications.

The cartridge is constructed from polypropylene and polyethylene, which are suitable for the production of ultrapure water and are qualified for low organics and ionic extractables.

The Millipak® 0.22 µm hydrophilic membrane filter produces particulate- and bacteria-free water at the point of dispense of the water purification systems.

Application

The kit contains Organex and Ionex resins for the removal of trace levels of organics and ions.

Features and Benefits

Quantum® IX Polishing Cartridge has been designed to remove trace levels of organics and ions from ultrapure water

Millipak® 20 Express Filter is designed with a 0.22 µm PES (polyethersulfone) asymmetric membrane. The filter acts as a safe and efficient barrier against particulates and bacteria.

The membrane's conical pores allow a high flow rate at a low differential pressure.

The membrane, housing material, and production processes have been selected to minimize organic and inorganic extractable release.

The membrane is supported by a rigid plastic disc with channels that ensures high water flow and resistance to pressure variations without the risk of membrane rupture.

Other Notes

Directions for Use

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (provided with the system)

Storage Statement: Store in a dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

MILLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUMMPKIX

Kit: Quantum® IX Cartridge & Millipak®

Kit with Millipak® 40 Express Filter, For use with Milli-Q® water purification systems.

material.....	PVDF filter
.....	polypropylene and polyethylene cartridge
Quality Level.....	300
packaging.....	pkg of 1 kit
manufacturer/tradename	Millipak®
.....	Quantum®
compatibility.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Element
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Integral
.....	for use with Milli-Q® Synthesis

Description

General description

This kit is composed of a Quantum® IX Cartridge and a Millipak® 40 Final Filter.

The Quantum® IX Polishing Cartridge contains a combination of purification media carefully selected to remove trace contaminants affecting specific applications.

The cartridge is constructed from polypropylene and polyethylene, which are suitable for the production of ultrapure water and are qualified for low organics and ionic extractables.

The Millipak® 40 filter produces particulate- and bacteria-free water to meet the stringent requirements of scientific applications.

Application

The kit contains Organex and Ionex resins for the removal of trace levels of organics and ions.

Features and Benefits

Quantum® IX Polishing Cartridge has been designed to remove trace levels of organics and ions from ultrapure water.

Millipak® 40 filter is made with Durapore® PVDF membranes, which provide high flow rates and throughputs, low extractable and broad chemical compatibility.

The membrane is supported by a rigid plastic disc with channels that ensures high water flow and resistance to pressure variations without the risk of membrane rupture.

Millipak® membrane filters use a unique, clean stacked disc design, allowing minimal hold-up volume and particle shedding.

The Millipak® 40 filter connects to the outlet of the water delivery point, such as the PODs of Milli-Q® water purification systems.

Other Notes

Directions for Use

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (provided with the system)

Storage Statement: Store in a dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

Durapore is a registered trademark of Merck KGaA, Darmstadt, Germany

MILLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUMMPEEX

Kit: Quantum® EX Cartridge & Millipak®

Kit with Millipak® 20 Express Filter, For use with Milli-Q® Academic / Biocel / Gradient / Synthesis systems.

Quality Level.....	300
packaging	pkg of 1 kit
compatibility.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis

Description

General description

This kit contains a polishing Quantum® EX cartridge and a Millipak® 20 Express filter. The purification cartridge contains organex & ionex resins to remove trace levels of organics and ions. The Millipak® filter is made of polyethersulfone for the filter and styrene-acrylonitrile (SAN) housing. Connected to the outlet of the water delivery point, it removes particulates and bacteria to provide particulate- and bacteria-free water.

This kit can be used with Milli-Q® Academic / Biocel / Gradient / Synthesis systems.

Features and Benefits

Quantum® polishing cartridge:

Contains Organex and Ionex resins for trace organics and ion contaminants removal.

Care-free maintenance: easily installed and replaced.

Millipak® 20 Express filter:

The unit is designed as a safe and efficient barrier against particulates and bacteria.

The membrane's conical pores allow a high flow rate at a low differential pressure.

Connects to the outlet of the water delivery point, such as the PODs of Milli-Q® water purification systems.

The protective bell protects against intrusion of airborne bacteria contamination during dispensing.

Care-free maintenance: the filter is easily fitted and replaced.

Both items should be replaced every 6 months.

Other Notes

Directions for Use

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to system equipment user guide section "Using the System" (provided with the system)

Storage Statement: Store in dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

MILLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUMMPKEX

Kit: Quantum® EX Cartridge & Millipak®

Kit with Millipak® 40 Express Filter, For use with Milli-Q® water purification systems.

material.....PVDF filter
.....polypropylene and polyethylene cartridge
Quality Level.....300
packaging.....pkg of 1 kit
manufacturer/tradenameMillipak®
.....Quantum®

Description

General description

This kit is composed of a Quantum® EX Cartridge and a Millipak® 40 Final Filter.

The Quantum® EX Polishing Cartridge contains a combination of purification media carefully selected to remove trace contaminants affecting specific applications.

The cartridge is constructed from polypropylene and polyethylene, which are suitable for the production of ultrapure water and are qualified for low organics and ionic extractables.

The Millipak® 40 filter produces particulate- and bacteria-free water to meet the stringent requirements of scientific applications.

Application

The kit contains Organex and Ionex resins for the removal of trace levels of organics and ions.

Features and Benefits

Quantum® EX Polishing Cartridge has been designed to remove trace levels of organics and ions from ultrapure water

Millipak® 40 filter is made with Durapore® PVDF membranes, which provide high flow rates and throughputs, low extractable and broad chemical compatibility.

The membrane is supported by a rigid plastic disc with channels that ensures high water flow and resistance to pressure variations without the risk of membrane rupture.

Millipak® membrane filters use a unique, clean stacked disc design, allowing minimal hold-up volume and particle shedding.

The Millipak® 40 filter connects to the outlet of the water delivery point, such as the PODs of Milli-Q® water purification systems.

Other Notes

Directions for Use

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (provided with the system)

Storage Statement: Store in a dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

Durapore is a registered trademark of Merck KGaA, Darmstadt, Germany

MILLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



SQPAKQUAM1

SQPAK™ Quanta Cartridge

Produces ultrapure (Type 1) water for use on the ultrapure dispensing module of Milli-Q® SQ 2Series systems

Quality Level.....	300
packaging	pkg of 1 unit
greener alternative product characteristics.....	Design for Energy Efficiency
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
compatibility.....	for use with Milli-Q® SQ 2Series
greener alternative category	DfS-Developed,

Description

General description

To learn how Milli-Q® SQ 2Series water systems work and read a full overview, visit our dedicated page.

SQPAK™ Quanta cartridge is a high-capacity polishing cartridge that produces ultrapure (Type 1) water at 18.2 MΩ·cm resistivity.

The cartridge contains IQnano™ ion-exchange media to remove ions down to trace levels.

For use on the dispensing module of Milli-Q® SQ 2Series configurations, such as Milli-Q® SQ 200/200P and Milli-Q® SQ 240C/240CV systems.

We are committed to bringing you Greener Alternative Products, which belongs to one of the four categories of greener alternatives . This product is a Design for Sustainability (DfS) developed product. Click here to view its DfS scorecard.

Features and Benefits

Easy replacement thanks to the Twist & Lock mechanism

Need for cartridge replacement is indicated by an orange blinking pictogram light on the system

Ultrapure label and blue color of the SQPAK™ Quanta cartridge are repeated on the production station interface, to inform about its water purification purpose and guide replacement

Legal Information

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

SQPAK is a trademark of Merck KGaA, Darmstadt, Germany



IPAKQUAEX

IPAK Quanta® Polishing Cartridge for Elix® Purified Water

For Milli-Q® IQ/EQ 7000 and IQ 7003/05 /10 /15 ultrapure water systems fed by Elix® pure water.
This product replaces IPAKQUAA1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature purified water (Elix®)
compatibility.....	for use with Milli-Q® EQ 7000
.....	for use with Milli-Q® IQ 7000
.....	for use with Milli-Q® IQ 7003
.....	for use with Milli-Q® IQ 7005
.....	for use with Milli-Q® IQ 7010
.....	for use with Milli-Q® IQ 7015
shipped in	ambient
storage temp.	2-30°C

Description

General description

This IPAK Quanta® polishing cartridge for Elix® water contains innovative IQnano™ ion-exchange media to remove ions down to trace levels, plus high-grade synthetic activated carbon to target trace organic contaminants.

Combined with an IPAK Meta® water polishing cartridge for Elix® water (IPAKMETEX), it enables the production of ultrapure (Type 1) water for sensitive laboratory applications.

Application

For Milli-Q® IQ/EQ 7000 and IQ 7003/05/10/15 ultrapure water systems fed by Elix® water

Delivers ultrapure (Type 1) water for sensitive applications

Features and Benefits

e-Sure tag enables RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with a Drain Cap, to remove excess water and reduce the weight of the exhausted cartridge at disposal

78% of the parts suppliers are ISO 14001 environmental management system certified

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



QPAK00TEX QPAK® Purification Cartridge

Designed for use with Milli-Q® Direct systems for removal of organic and ionic contaminants down to trace levels, when fed with purified water

Quality Level.....300
packagingpkg of 1 unit
manufacturer/tradenameQPAK®
resistivity.....>18.0 MΩ-cm (at 25 degree celcius)
technique(s).....ion chromatography: suitable
total organic carbon (TOC) residue<10 ppb
compatibility.....for use with Milli-Q® Direct
shipped inambient

Description

General description

QPAK® TEX Polishing Cartridge is designed to remove ionic and organic contaminants down to trace levels, when fed with purified water. The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants. For use with Milli-Q® Direct systems.

Application

Removes ionic and organic contaminants down to trace levels.

Features and Benefits

Genuine consumable for the replacement of QPAK® – QPAK00TEX cartridge filter.
e-Sure radio-frequency identification (RFID) tag ensures full traceability and provides instant visibility on pack parameters.
Uses organex and ion-exchange resins.
Certificate of Quality available online.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
QPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



QPAK00TIX QPAK® Purification Cartridge

Designed for use with Milli-Q® Direct systems for removal of ionic contaminants down to trace levels, when fed with RO purified water

material.....	polypropylene and polyethylene
Quality Level.....	300
packaging.....	pkg of 1 unit
manufacturer/tradename	QPAK®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
technique(s).....	ion chromatography: suitable
total organic carbon (TOC) residue	<10 ppb
compatibility.....	for use with Milli-Q® Direct
shipped in	ambient

Description

General description

QPAK® TIX Polishing Cartridge is designed to remove ionic contaminants down to trace levels, when fed with RO purified water. The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants. QPAK® TIX Polishing Cartridge can be used with Milli-Q® Direct systems.

Application

Removes ionic contaminants down to trace levels.

Features and Benefits

Genuine consumable for the replacement of QPAK® – QPAK00TIX cartridge filter.
e-Sure radio-frequency identification (RFID) tag ensures full traceability and provides instant visibility on pack parameters.
Certificate of Quality available online.
Employs Ion-exchange resin for trace level removal of ions.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
QPAK is a registered trademark of Merck KGaA, Darmstadt, Germany



IPAKMETEX

IPAK Meta® Polishing Cartridge for Elix® Purified Water

For Milli-Q® IQ/EQ 7000 ultrapure water systems fed by Elix® pure water. This product replaces IPAKMETA1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
greener alternative product characteristics.....	Waste Prevention
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature purified water (Elix®)
compatibility.....	for use with Milli-Q® EQ 7000
.....	for use with Milli-Q® IQ 7000
greener alternative category.....	Re-engineered
shipped in	ambient
storage temp.	2-30°C

Description

General description

This IPAK Meta® polishing cartridge for Elix® water contains Jetpore® mixed-bed ion-exchange resin to remove trace ions from Elix® feed water.

Combined with an IPAK Quanta® water polishing cartridge for Elix® water (IPAKQUAEX), it enables the production of ultrapure (Type 1) water for sensitive laboratory applications.

We continue to demonstrate our commitment to a sustainable future by exploring ways to improve existing products in our portfolio. We have reviewed our purification cartridges to identify key opportunities to minimize impact without compromising on the product performance. This product has benefited from an optimization of the resin mix, the packaging and the end-of-life management. Therefore, it is identified as a greener alternative product in the category reengineered. View the DfS scorecard for the new IPAK Meta® cartridge for Elix® water.

Application

For Milli-Q® IQ/EQ 7000 ultrapure water purification systems fed by Elix® water
Delivers ultrapure (Type 1) water for sensitive applications

Features and Benefits

e-Sure tag enables RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with a Drain Cap, to remove excess water and reduce the weight of the exhausted cartridge at disposal

78% of the parts suppliers are ISO 14001 environmental management system certified

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CPMB02202

Ion-Ex Polishing Cartridge

L 55 cm (22 in.), for use with Super-Q® Ultrapure High Flow Water Systems

material.....(Nuclear grade mixed bed ion exchange resin)
Quality Level.....300
feature.....Removal of Inorganics and particulate contaminants
packaging.....pkg of 2 units
L.....55 cm (22 in.)
capacity.....175 g ion exchange capacity (NaCl)
compatibility.....for use with Super-Q® Ultrapure High Flow Water Systems
shipped in.....ambient

Description

General description

Ion-Ex Polishing Cartridge 55 cm (22") is a water purification cartridge used to remove trace inorganics from ultrapure water.

Application

This cartridge efficiently removes trace ionic contaminants.

Features and Benefits

Efficiently removes inorganic particulates and contaminants within the feed stream of the Super-Q® Plus lab water purification systems.

Contains virgin ion-exchange resins.

Consistently produces ultrapure water quality which exceeds Type I ASTM/CAP/CLSI specifications.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

SUPER-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Super-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CPMB01202

Ion-Ex Polishing Cartridge

L 30 cm (12 in.), For use with Milli-Q® bowl-style systems and Alpha-Q systems

material.....polypropylene
featureremoves ionized impurities from water pretreated by reverse osmosis,
deionization or distillation
packaging.....pkg of 2 units
L30 cm (12 in.)
compatibility.....for use with Alpha-Q (Before 1987)
shipped inambient

Description

General description

Ion-Ex Polishing Cartridge 30 cm (12") is a water purification consumable for use with Milli-Q® bowl-style and Alpha-Q systems.

Features and Benefits

Removes ionized impurities from water pretreated by reverse osmosis, deionization or distillation.
Constructed of pure polypropylene with thermally bonded endcaps to reduce the risk of extractables contamination.
Technology for purification includes depth filtration.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CDEXP0LUV
Polishing Cartridge

For Milli-Q® UV system

Quality Level.....300
packagingpkg of 1 unit
compatibility.....for use with Milli-Q® Plus
shipped inambient

Description

General description

For Milli-Q UV system

Features and Benefits

The purification method involves the use of ion-exchange resins and activated carbon.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CDFC02203

Super-C Carbon Cartridge

For use with Super-Q® systems

Quality Level.....300
featureSuper-C Carbon Cartridge for organics removal
packagingpkg of 3 units
L55 cm (22 in.)
compatibility.....for use with Super-Q® Ultrapure High Flow Water Systems
shipped inambient

Description

General description

Super-C Carbon Cartridge, a synthetic activated carbon filtration cartridge, efficiently removes organic particulates and contaminants from purified water using a unique dry-packed carbon.

Application

Super-C Carbon Cartridge is used with Super-Q® system to remove trace organics from water.

Features and Benefits

Length: 22 inches (56 cm).

Cartridges consistently produce ultrapure water quality which exceeds Type I ASTM/CAP/CLSI specifications.

Legal Information

SUPER-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Super-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CDFC01204

Super-C Carbon Cartridge

For use with Milli-Q® and Milli-RO™ Bowl systems

Quality Level.....	300
feature	removes organics from water pretreated by reverse osmosis, deionization or distillation
packaging	pkg of 4 units
L	30 cm (12 in.)
total organic carbon (TOC) residue	<20 ppb
compatibility.....	for use with Alpha-Q
shipped in	ambient

Description

General description

Super-C Carbon Cartridge 30 cm (12") is a replacement cartridge used to remove organics from water pre-treated by reverse osmosis (RO), deionization or distillation. Use in combination with Rogard II prefilter, CDPRM1206
For use with Milli-Q® and Milli-RO™ bowl-style systems.

Features and Benefits

Purification method involves the use of activated carbon-based adsorbent.

Legal Information

MILLI-RO is a trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IPAKMET00

IPAK Meta® Polishing Cartridge for Purified Water

For Milli-Q® IQ/EQ 7000 and EQ 7008/16 ultrapure water systems fed with purified water. This product replaces IPAKMET01.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
greener alternative product characteristics.....	Waste Prevention
.....	Learn more about the Principles of Green Chemistry.
sustainability.....	Greener Alternative Product
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
compatibility.....	for use with Milli-Q® EQ 7000
.....	for use with Milli-Q® EQ 7008
.....	for use with Milli-Q® EQ 7016
.....	for use with Milli-Q® IQ 7000
greener alternative category.....	Re-engineered
shipped in	ambient
storage temp.	2-30°C

Description

General description

This IPAK Meta® polishing cartridge for purified water contains a combination of Jetpore® mixed-bed ion-exchange resin and innovative IQnano™ ion-exchange media to remove trace ions from pure water.

Combined with an IPAK Quanta® water polishing cartridge for purified water (IPAKQUA00), it enables the production of ultrapure (Type 1) water for sensitive laboratory applications.

We continue to demonstrate our commitment to a sustainable future by exploring ways to improve existing products in our portfolio.

We have reviewed our purification cartridges to identify key opportunities to minimize impact without compromising on the product performance. This product has benefited from an optimization of the resin mix, the packaging and the end-of-life management.

Therefore, it is identified as a greener alternative product in the category reengineered. View the DfS scorecard for the new IPAK Meta® cartridge for pure water.

Application

For Milli-Q® IQ/EQ 7000 and EQ 7008/16 ultrapure water purification systems fed with purified water

Delivers ultrapure (Type 1) water for sensitive applications

Features and Benefits

e-Sure tag enables RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with a Drain Cap, to remove excess water and reduce the weight of the exhausted cartridge at disposal

78% of the parts suppliers are ISO 14001 environmental management system-certified

Legal Information

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IPAKQUA00

IPAK Quanta® Polishing Cartridge for Purified Water

For Milli-Q® IQ/EQ 7000 and EQ 7008 7016 ultrapure water systems fed with purified water. This product replaces IPAKQUAA1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature purified water
compatibility.....	for use with Milli-Q® EQ 7000
.....	for use with Milli-Q® EQ 7008
.....	for use with Milli-Q® EQ 7016
.....	for use with Milli-Q® IQ 7000
shipped in	ambient
storage temp.	2-30°C

Description

General description

This IPAK Quanta® polishing cartridge for purified water contains innovative IQnano™ ion-exchange media to remove ions down to trace levels, plus high-grade synthetic activated carbon to target traces of organic contaminants. Combined with the IPAK Meta® polishing cartridge for purified water (IPAKMET00), it enables the production of ultrapure (Type 1) water for sensitive laboratory applications.

Application

For Milli-Q® IQ/EQ 7000 and EQ 7008/16 ultrapure water purification systems fed with purified water
Delivers ultrapure (Type 1) water for sensitive applications

Features and Benefits

e-Sure tag enables RFID connection with the system, for seamless consumable status monitoring, data management and full traceability
Supplied with a Drain Cap, to remove excess water and reduce the weight of the exhausted cartridge at disposal
78% of the parts suppliers are ISO 14001 environmental management system-certified

Legal Information

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany
IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany
IQNANO is a trademark of Merck KGaA, Darmstadt, Germany
Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CPEX02201

Organex-Q® Cartridge

For Super-Q® systems

Quality Level.....300
featureremoval of Inorganic and organic
packagingpkg of 1 unit
L55 cm (22 in.)
capacity120 g ion exchange capacity (NaCl)
compatibility.....for use with Super-Q® Ultrapure High Flow Water Systems
shipped inambient

Description

General description

Organex-Q® Cartridge 55 cm (22") is a replacement cartridge for the Super-Q® system used to remove trace organics and inorganics from ultrapure water. It contains nuclear grade mixed bed ion-exchange resin and activated carbon.

Application

Removes traces of ionic contaminants and organics.

Features and Benefits

Purification method involves the use of ion-exchange and activated carbon.

Legal Information

ORGANEX-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

SUPER-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Super-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CDEX01201

Organex-Q® Cartridge

For use with Milli-Q® and Milli-RO™ bowl-style systems

Quality Level.....300
featureremoves trace organics from water pretreated by reverse osmosis, deionization
or distillation
packagingpkg of 1 unit
L30 cm (12 in.)
compatibility.....for use with Alpha-Q (Before 1987)
shipped inambient

Description

General description

Organex-Q® Cartridge 30 cm (12") is a replacement cartridge used to remove trace organics from water pre-treated by reverse osmosis (RO), deionization or distillation. It is constructed using pure polypropylene and is equipped with thermally bonded endcaps to reduce the risk of extractables contamination.

Application

For use with Milli-Q® and Milli-RO™ bowl-style systems.

Features and Benefits

Purification method involves the use of ion-exchange and activated carbon.

Legal Information

MILLI-RO is a trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

ORGANEX-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CP2ALLRES

Q-Gard® Purification Cartridge

Polishing cartridge for AFS® 8/16 and AFS® 8D/16D systems

Quality Level.....300
packagingpkg of 1 unit
manufacturer/tradenameQ-Gard®
technique(s).....ion chromatography: suitable
compatibility.....for use with AFS®
shipped inambient

Description

General description

The Q-Gard® A Cartridge is a polishing cartridge with virgin ion-exchange resins for use with AFS® 8/16 and AFS® 8D/16D water purification systems. This cartridge is designed to produce high resistivity water using carefully selected purification media.

Application

Q-Gard® A Cartridge is designed to remove ionic contaminants below trace level to match the water quality required for your application.

Features and Benefits

Guarantee water quality.
Ensure compliance with system specifications.
Employs ion-exchange technology for water purification.

Components

Virgin ion-exchange resins for ion removal

Legal Information

AFS is a registered trademark of Merck KGaA, Darmstadt, Germany
Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARD00B1

Q-Gard® Purification Cartridge

For dedicated removal of boron traces from water dispensed by Milli-Q® Element / Academic / Biocel / Element / Gradient / Synthesis systems

Quality Level.....300
packagingpkg of 1 unit
manufacturer/tradenameQ-Gard®
compatibility.....for use with Milli-Q® Academic
.....for use with Milli-Q® Biocel
for use with Milli-Q® Element
for use with Milli-Q® Gradient
for use with Milli-Q® Synthesis

Description

General description

Q-Gard® Boron Purification Cartridge is a water purification consumable, designed to remove traces of boron from ultrapure water delivered by Milli-Q® systems.

Application

Q-Gard® Boron Purification Cartridge is recommended for use in laboratory applications where boron levels need to be reliably low, such as ICP-MS.

Features and Benefits

Genuine consumable for replacing the QGARD00B1 Q-Gard® cartridge filter.

Removes traces of boron from feed water by ion exchange principle.

Generates boron-free water when fed by Elix® reverse osmosis, deionized, and distilled water.

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARDTBX1

Q-Gard® Purification Cartridge

For Milli-Q® Advantage A10/Reference systems, for dedicated removal of boron traces from water

Quality Level.....300
featureremoval of boron trace
packagingpkg of 1 unit
manufacturer/tradenameQ-Gard®
compatibility.....for use with Milli-Q® Advantage A10
.....for use with Milli-Q® Reference

Description

General description

Q-Gard® T boron purification cartridge removes traces of boron from ultrapure water delivered by Milli-Q® systems connected to a Elix® / RO / distilled water feed.

Application

Q-Gard® T Boron Purification Cartridge is recommended for use in laboratory applications where boron levels need to be reliably low, such as ICP-MS.

Features and Benefits

Genuine Milli-Q® consumable to replace the Q-Gard® T Boron Purification cartridge filter (QGARDTBX1).
Generates boron-free water when the Milli-Q® system is fed by Elix®, RO, deionized, or distilled water.

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany
Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARDT3X1

Q-Gard® Purification Cartridge

For Milli-Q® Advantage A10 / Reference systems connected to DI water feed containing high silt

material.....	polypropylene and polyethylene
Quality Level.....	300
feature.....	can remove contaminants from various feed water types
packaging.....	pkg of 1 unit
manufacturer/tradename.....	Q-Gard®
H × L × W.....	360 mm × 500 mm × 332 mm
capacity.....	26 g/L ion exchange capacity (NaCl)
compatibility.....	for use with Milli-Q® Advantage A10
.....	for use with Milli-Q® Reference
shipped in.....	ambient

Description

General description

Q-Gard® T3 Purification Cartridge is designed to remove the ionic and organic contaminants down to trace levels from DI water feed containing high silt.

The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants.

Application

Q-Gard® T3 Purification Cartridge can be used with Milli-Q® Advantage A10 / Reference systems.

Features and Benefits

Genuine consumable for the replacement of Q-Gard® QGARDT3X1 cartridge filter.

Generates ionic and organic contaminant-free water by ion exchange, activated carbon, and depth filtration technologies.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARD00D3

Q-Gard® Purification Cartridge

For Milli-Q® Element / Academic / Biocel / Element / Gradient / Synthesis systems connected to DI water feed containing high silt

material.....	resin (Mixed bed ion exchange resin)
Quality Level.....	300
packaging.....	pkg of 1 unit
manufacturer/tradename	Q-Gard®
parameter.....	1.5 L/min flow rate
technique(s).....	ion chromatography: suitable
matrix.....	Macroporous
pore size.....	0.5 µm pore size (CRW5)
capacity.....	52 g ion exchange capacity
compatibility.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Element
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis
shipped in	ambient

Description

General description

Q-Gard® 3 Purification Cartridge is designed to remove ionic and organic contaminants down to trace levels when fed with DI pure water containing high silt. The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants. It contains a microfilter for particulate removal, activated carbon for organics adsorption and mixed-bed ion-exchange resin for ion removal.

The Q-Gard® 3 Purification Cartridge can be used with Milli-Q® Academic / Biocel / Element / Gradient / Synthesis water purification systems.

Application

Removal of ionic and organic water contaminants.

Features and Benefits

Q-Gard® 3 Purification Cartridge is tailored to the feed-water source to optimize the performance of downstream purification media to ensure consistent results.

Genuine water purification consumable for replacement of the Q-Gard® QGARD00D3 cartridge filter.

Designed for trace ion removal from DI pure water containing high silt.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARDTL01 Q-Gard® Purification Cartridge

For Elix® Gulfstream / Large and RiOs™ Large systems connected to a pure water feed source

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Q-Gard®
capacity	43 g/L ion exchange capacity (NaCl)
compatibility.....	for use with Elix®
.....	for use with Elix® Gulfstream
.....	for use with Elix® Large
.....	for use with RiOs™ Large
.....	for use with RiOs™
shipped in	ambient

Description

General description

Q-Gard® TL polishing cartridge is a replacement cartridge designed to remove ionic and organic contaminants down to trace levels, when fed with pure water. The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants. Q-Gard® TL polishing cartridge can be used with Elix® Gulfstream / Large and RiOs™ Large water purification systems.

Application

This polishing cartridge retains both ions and organics.

Features and Benefits

Genuine consumable for the replacement of Q-Gard® – QGARDTL01 polishing cartridge.

Generates ionic and organic contaminant free water by ion exchange, activated carbon, and depth filtration technologies.

Components

Virgin ion-exchange resins for deionization

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

RIOS is a trademark of Merck KGaA, Darmstadt, Germany



CP2ALLREST Q-Gard® Purification Cartridge

Polishing cartridge for AFS® 8/16 and AFS® 8D/16D systems

Quality Level.....300
featureGuarantee water quality; Virgin ion-exchange resins for ion removal; Ensure compliance with system specifications
packagingpkg of 1 unit
manufacturer/tradenameQ-Gard®
technique(s).....ion chromatography: suitable
compatibility.....for use with AFS®
shipped inambient

Description

General description

Q-Gard® A Cartridge is a polishing cartridge with virgin ion-exchange resins for use with AFS® 8/16, AFS® 8D/16D and AFS® Essential systems. This cartridge is designed to produce high resistivity water from purification media carefully selected .

Application

The Q-Gard® A Cartridge is designed to remove ionic contaminants below trace level to match the water quality required for your applications.

Features and Benefits

Guarantee water quality.
Ensure compliance with system specifications.
Employs ion-exchange technology for water purification.
e-Sure tag RFID technology for safety and automatic pack parameters archiving.

Legal Information

AFS is a registered trademark of Merck KGaA, Darmstadt, Germany
Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARDTXL04

Q-Gard® Purification Cartridge

For use with Milli-Q® CLX/HX/HX SD/HR 7000 series systems, Produces high resistivity water from purification media.

material.....	polypropylene and polyethylene cartridge (Virgin ion-exchange resins (for deionization))
Quality Level.....	300
feature	(Can produce high resistivity water from purification media.)
packaging	pkg of 1 unit
manufacturer/tradename	Q-Gard®
parameter	(Burst test: > 20 bar (> 290 psi))
capacity	32 g/L ion exchange capacity(Dynamic Ion Echange Capacity)
.....	43 g/L total exchange capacity(NaCl)
compatibility.....	for use with Milli-Q® CLX
.....	for use with Milli-Q® HR
.....	for use with Milli-Q® HX
shipped in	ambient

Description

General description

Q-Gard® XL Polishing Cartridge contains a combination of purification media carefully selected to remove trace ions to produce high-resistivity water.

The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants.

For use with Milli-Q® CLX/HX/HX SD/HR 7000 series systems.

Application

This polishing cartridge contains virgin ion-exchange resins to remove trace ions and is recommended for any laboratory work requiring very low levels of ions from high volume systems.

Features and Benefits

Q-Gard® XL Purification Cartridge is tailored to the feed-water source to optimize the performance of downstream purification media to ensure consistent results.

e-Sure tag RFID technology for safety and automatic pack parameters archiving.

Replace every 6 months.

Genuine consumable manufactured in our ISO 9001-certified facility.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARD00D2 Q-Gard® Purification Cartridge

For Milli-Q® Academic / Biocel / Element / Gradient / Synthesis water purification systems connected to DI water feed

material.....	polypropylene and polyethylene
Quality Level.....	300
feature	purification cartridges qualified for low organics and ionic extractables.
packaging	pkg of 1 unit
manufacturer/tradename	Q-Gard®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
capacity	53 g ion exchange capacity (NaCl)(Dynamic Capacity is more than 34 g NaCl)
compatibility.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Element
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis
shipped in	ambient

Description

General description

Q-Gard® 2 Purification Cartridge is designed to remove ionic and organic contaminants down to trace levels when fed with DI pure water. The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants. It contains a microfilter for particulate removal, activated carbon for organics adsorption and mixed-bed ion-exchange resin for ion removal. Q-Gard® 2 Purification Cartridge can be used with Milli-Q® Academic / Biocel / Element / Gradient / Synthesis water purification systems.

Application

This polishing cartridge contains ion exchange resins for removal of trace ions, and is recommended for any laboratory work requiring very low levels of ions.

Features and Benefits

Q-Gard® 2 Purification Cartridge is tailored to the feed-water source to optimize the performance of downstream purification media to ensure consistent results.

Purification method involves ion-exchange, activated carbon, and depth filtration.

Genuine water purification consumable for replacement of the Q-Gard® QGARD00D2 cartridge filter.

Certificate of Quality available online.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARD00R1

Q-Gard® Purification Cartridge

For Milli-Q® Element (2001-2009) / Academic / Biocel / Element / Gradient / Synthesis systems connected to Elix® / RO / distilled water feed

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Q-Gard®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
technique(s).....	ion chromatography: suitable
total organic carbon (TOC) residue	<10 ppb
capacity	77 g ion exchange capacity (NaCl)(Dynamic Capacity is more than 50 g NaCl)
compatibility.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Element
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis
shipped in	ambient

Description

General description

Q-Gard® 1 Purification Cartridge is designed to remove ionic and organic contaminants down to trace levels when fed with Elix® / RO / distilled water.

The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants.

It contains a microfilter for particulate removal, activated carbon for organics adsorption, and mixed-bed ion-exchange resin for ion removal.

The Q-Gard® 1 Purification Cartridge can be used with Milli-Q® Academic / Biocel / Element / Gradient / Synthesis water purification systems.

Application

Removal of ionic and organic water contaminants.

Features and Benefits

Q-Gard® 1 Purification Cartridge is tailored to the feed-water source to optimize the performance of downstream purification media to ensure consistent results.

Genuine water purification consumable for replacement of the Q-Gard® QGARD00R1 cartridge filter.

Purification method involves ion-exchange, activated carbon, and depth filtration.

Certificate of Quality available online.

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARDT1X1 Q-Gard® Purification Cartridge

For Milli-Q® Reference and Advantage A10 systems connected to Elix® / RO / distilled water feed

Quality Level.....	300
feature	can produce high resistivity water from purification media
packaging	pkg of 1 unit
manufacturer/tradename	Q-Gard®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
total organic carbon (TOC) residue	<10 ppb
capacity	≤77 g ion exchange capacity (NaCl)(Dynamic Capacity is greater than 50 g NaCl)
compatibility.....	for use with Milli-Q® Advantage A10
.....	for use with Milli-Q® Reference
shipped in	ambient

Description

General description

Q-Gard® T1 purification cartridge is designed to remove ionic and organic contaminants down to trace levels from Elix®, RO or distilled feed water. The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants. Q-Gard® T1 Purification Cartridge can be used with Milli-Q® Advantage A10 / Reference water purification systems.

Features and Benefits

Genuine consumable for the replacement of Q-Gard® - QGARDT1X1 cartridge filter.
Generates ionic and organic contaminant-free water by ion exchange, and activated carbon technologies.
Certificate of Quality available online.

Components

Virgin ion-exchange resins for deionization

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany
Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QGARDT2X1 Q-Gard® Purification Cartridge

For Milli-Q® Advantage A10 / Reference systems connected to DI water feed

Quality Level.....	300
feature	can produce high resistivity water from purification media
packaging	pkg of 1 unit
manufacturer/tradename	Q-Gard®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
capacity	≤53 g ion exchange capacity (NaCl)(Dynamic Capacity is greater than 34 g NaCl)
compatibility.....	for use with Milli-Q® Advantage A10
.....	for use with Milli-Q® Reference
shipped in	ambient

Description

General description

Q-Gard® T2 purification cartridge is a replacement cartridge designed to remove ionic and organic contaminants down to trace levels from DI water. The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants. It contains a microfilter for particulates removal, activated carbon for organics adsorption, and mixed-bed ion-exchange resin for ion removal. Q-Gard® T2 Purification Cartridge can be used with Milli-Q® Advantage A10 / Reference water purification systems.

Application

Removal of ionic and organic water contaminants.

Features and Benefits

Genuine consumable for the replacement of Q-Gard® QGARDT2X1 purification cartridge.
Generates ionic and organic contaminant-free water by ion exchange, activated carbon, and depth filtration technologies.
Certificate of Quality available online.

Components

Virgin ion-exchange resins for deionization

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
Q-GARD is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUM000IX

Quantum® Polishing Cartridge

For Direct-Q® and Milli-Q® Academic / Biocel / Gradient / Synthesis water purification systems

material.....	polypropylene and polyethylene
Quality Level.....	300
feature	can remove trace levels of organics and ions from ultrapure water
packaging	pkg of 1 unit
manufacturer/tradename	Quantum®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
total organic carbon (TOC) residue	<10 ppb
capacity	36 g ion exchange capacity (NaCl)(Dynamic Capacity is greater than 21 g NaCl)
compatibility.....	for use with Direct-Q®
.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis
shipped in	ambient

Description

General description

Quantum® IX Polishing Cartridge removes ionic contaminants down to trace levels to match the water quality required for your applications. The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants. Quantum® IX Polishing Cartridge for use with Direct-Q® and Milli-Q® Academic / Biocel / Gradient / Synthesis systems.

Application

This polishing cartridge retains both ions and organics, and is recommended for most laboratory needs.

Features and Benefits

Genuine replacement Milli-Q® water purification consumable.
Certificate of Quality available online.

Legal Information

DIRECT-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUM0TIX1

Quantum® Polishing Cartridge

For Milli-Q® Advantage A10 / Integral / Reference systems connected to ultrapure water feed

Quality Level.....	300
feature	Removes trace levels of organics and ions from ultrapure water
packaging	pkg of 1 unit
manufacturer/tradename	Quantum®
resistivity.....	>18.0 MΩ-cm (at 25 degree celcius)
total organic carbon (TOC) residue	<10 ppb
capacity	40 g ion exchange capacity (NaCl)(Dynamic Capcity is greater than 20g NaCl)
compatibility.....	for use with Milli-Q® Advantage A10
.....	for use with Milli-Q® Integral
.....	for use with Milli-Q® Reference
shipped in	ambient

Description

General description

The Quantum® TIX Polishing Cartridge contains purification media designed to remove trace levels of ions from ultrapure feed water affecting specific applications. Constructed from polypropylene and polyethylene, which are suitable for the production of ultrapure water. Comprises clean and high-purity materials to minimize leaching of low organics and extractable contaminants. Quantum® TIX Polishing Cartridge can be used with Milli-Q® Advantage A10 / Integral / Reference systems.

Application

This polishing cartridge contains ion exchange resins for removal of trace ions, and is recommended for any laboratory work requiring very low levels of ions.

Features and Benefits

Genuine Milli-Q® consumable for the replacement of QTUM0TIX1 - Quantum® TIX Polishing Cartridge.
Contains Ionex resins for trace ion removal.
Care-free maintenance: easily installed and replaced.
e-Sure tag for RFID connection enables full traceability (data management).
Uses ion exchange technology for purification.
Certificate of Quality available online.

Components

Organex (Mix of Synthetic activated carbon & virgin Ion exchange resins)
Virgin Ion Exchange Resins

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUM001CP

Quantum® Polishing Cartridge

For Milli-Q® Element (2001-2009) and Q-POD® Element purification units connected to ultrapure feed water

material.....	polypropylene and polyethylene
Quality Level.....	300
feature	can remove trace levels of organics and ions from Ultrapure water
packaging	pkg of 1 unit
manufacturer/tradename	Quantum®
resistivity.....	>18.0 MΩ-cm (at 25 degree celcius)
total organic carbon (TOC) residue	<10 ppb
capacity	36 g ion exchange capacity (NaCl)(Dynamic Capacity is greater than 21 g NaCl)
compatibility.....	for use with Milli-Q® Element
.....	for use with Q-POD® Element
shipped in	ambient

Description

General description

Quantum® ICP Polishing Cartridge is validated to achieve water quality suitable for trace elemental analysis (ppt or sub-ppt) from an ultrapure water feed. The compact device provides efficient and convenient access to freshly purified ultrapure water from the Milli-Q® Element (2001-2009) and Q-POD® Element systems. The cartridge is constructed with clean and high-purity materials to minimize leaching of extractable contaminants. Quantum® ICP Polishing Cartridge for use with Milli-Q® Element (2001-2009) and Q-POD® Element systems.

Application

This polishing cartridge is specifically designed for trace- and ultra-trace elemental analysis (ICP-MS, GF-AAS, IC).

Features and Benefits

Genuine Milli-Q® consumable for the replacement of QTUM001CP - Quantum® ICP Polishing Cartridge.
Dedicated to trace elemental analysis (ppt or sub-ppt).
Certificate of Quality available online.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
Q-POD is a registered trademark of Merck KGaA, Darmstadt, Germany
QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUM000EX

Quantum® Polishing Cartridge

For use with Milli-Q® Biocel / Academic / Gradient / Synthesis systems

Quality Level.....	300
feature	(removes trace levels of organics and ions from ultrapure water)
packaging	pkg of 1 unit
compatibility.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis
shipped in	ambient

Description

General description

The Quantum® Pack has been designed to remove trace levels of organics and ions from ultrapure water. It is made of Organex (mix of synthetic activated carbon & virgin ion-exchange resins) and virgin ion-exchange resins.

Quantum® EX polishing cartridges can be used with Milli-Q® Biocel / Academic / Gradient / Synthesis systems.

Application

For Milli-Q® systems. Contains Organex & Ionex Resins for trace levels of organics and ions.

Features and Benefits

Contains Organex and Ionex resins to remove trace organic and ionic contaminants.

Care-free maintenance: easily installed and replaced.

Uses ion exchange technology for purification.

Should be replaced every 6 months.

Certificate of Quality available online.

Components

Organex (Mix of Synthetic activated carbon & virgin Ion exchange resins).

Virgin Ion Exchange Resins.

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUM0TEX1

Quantum® Polishing Cartridge

For Milli-Q® Advantage A10 / Integral / Reference systems connected to ultrapure water feed

Quality Level.....	300
feature	can remove trace levels of organics and ions from Ultrapure water
packaging	pkg of 1 unit
manufacturer/tradename	Quantum®
resistivity.....	>18.0 MΩ-cm (at 25 degree celcius)
total organic carbon (TOC) residue	<5 ppb
capacity	33 g ion exchange capacity (NaCl)(Dynamic Capcity is greater than 8g NaCl)
compatibility.....	for use with Milli-Q® Advantage A10
.....	for use with Milli-Q® Integral
.....	for use with Milli-Q® Reference
shipped in	ambient

Description

General description

The Quantum® TEX Polishing Cartridge contains a combination of purification media designed to remove trace levels of organics and ions from ultrapure feed water affecting specific applications. Constructed from polypropylene and polyethylene, which are suitable for the production of ultrapure water. Comprises clean and high-purity materials to minimize leaching of low organics and extractable contaminants. Quantum® TEX Polishing Cartridge can be used with Milli-Q® Advantage A10 / Integral / Reference systems.

Application

This polishing cartridge retains both ions and organics, and is recommended for most laboratory needs.

Features and Benefits

Genuine Milli-Q® consumable for the replacement of QTUM0TEX1 - Quantum® TEX Polishing Cartridge.
Care-free maintenance: easily installed and replaced.
e-Sure tag for RFID connection enables full traceability (data management).
Contains Organex (mix of synthetic activated carbon & virgin ion exchange resins).
Uses ion exchange technology for purification.
Certificate of Quality available online.

Components

Organex (Mix of Synthetic activated carbon & virgin Ion exchange resins)
Virgin Ion Exchange Resins

Legal Information

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany
QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



QTUM000VX

Quantum® Polishing Cartridge

For Direct-Q® and Milli-Q® Academic / Biocel / Gradient / Synthesis systems

material.....	polypropylene and polyethylene
Quality Level.....	300
feature.....	production of ultrapure water and have been qualified for low organics and ionic extractables
packaging.....	pkg of 1 unit
manufacturer/tradename	Quantum®
resistivity.....	>18.0 MΩ-cm (at 25 °C)
total organic carbon (TOC) residue	<5 ppb
capacity	27 g ion exchange capacity (NaCl)(Dynamic Capacity is greater than 10g NaCl)
compatibility.....	for use with Direct-Q®
.....	for use with Milli-Q® Academic
.....	for use with Milli-Q® Biocel
.....	for use with Milli-Q® Gradient
.....	for use with Milli-Q® Synthesis
shipped in	ambient

Description

General description

Quantum® VX Polishing Cartridge is designed to remove the ionic and organic contaminants down to trace levels to match the water quality required for your application. The cartridge is constructed with clean and high-purity materials to minimize the leaching of extractable contaminants.

Application

This polishing cartridge is recommended for situations where volatile organics must be kept at a very low level (for GC-MS analyses, etc.)

Features and Benefits

Genuine consumable for the replacement of QTUM000VX - Quantum® VX Polishing Cartridge.

Utilizes volatile organex resin to remove trace levels of volatile organics.

Generates ionic and volatile organic contaminant free water by ion exchange and activated carbon technologies.

Certificate of Quality available online.

Legal Information

DIRECT-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

QUANTUM is a registered trademark of Merck KGaA, Darmstadt, Germany



IX700XPKIT

Milli-Q® IX 7003/05 Water Purification Kit

For Milli-Q® IX 7003/05 pure water systems. Protects RO membranes and stored pure water quality. This product replaces IX700XPKT1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
greener alternative product characteristics.....	Design for Energy Efficiency
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature potable tap water (within specifications of the water purification system)
compatibility.....	for use with Milli-Q® IX 7003
.....	for use with Milli-Q® IX 7005
greener alternative category	DfS-Developed
shipped in	ambient
storage temp.	2-30°C

Description

General description

This water purification kit includes:

One IPAK Gard® pretreatment cartridge composed of a pleated filter for the removal of particulates, minerals and colloids and a carbon block for the removal of free chlorine. This protects the reverse osmosis (RO) membrane and improves system performance.

The tank vent filter protects stored pure (Type 2) water from airborne contaminants. It contains activated carbon, soda lime and a membrane filter to prevent impure air from entering the tank.

We are committed to bringing you Greener Alternative Products, which belongs to one of the four categories of greener alternatives. This product is a Design for Sustainability (DfS) developed product. Click here to view its DfS scorecard.

Application

For use with Milli-Q® IX 7003/05 pure water systems

IPAK Gard® pretreatment cartridge protects RO membranes to ensure system performance over years

Tank vent filter protects stored pure water from airborne contaminants

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with a Drain Cap to remove excess water and reduce the weight of exhausted the cartridge at disposal

63% of the parts suppliers for the IPAK Gard® cartridge are ISO 14001 environmental management system-certified

Legal Information

IPAK GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IX70XXPKIT

Milli-Q® IX 7010/15 Water Purification Kit

For Milli-Q® IX 7010/15 pure water systems. Protects RO membranes and stored pure water quality. This product replaces IX70XXPKT1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
greener alternative product characteristics.....	Design for Energy Efficiency
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature potable tap water (within specifications of the water purification system)
compatibility.....	for use with Milli-Q® IX 7010
.....	for use with Milli-Q® IX 7015
greener alternative category	DfS-Developed
shipped in	ambient
storage temp.	2-30°C

Description

General description

This water purification kit includes:

Two IPAK Gard® pretreatment cartridges composed of a pleated filter for the removal of particulates, minerals and colloids and a carbon block for the removal of free chlorine. This protects the reverse osmosis (RO) membrane and improves system performance.

The tank vent filter protects stored pure (Type 2) water from airborne contaminants. It contains activated carbon, soda lime and a membrane filter to prevent impure air from entering the tank.

We are committed to bringing you Greener Alternative Products, which belongs to one of the four categories of greener alternatives. This product is a Design for Sustainability (DfS) developed product. Click here to view its DfS scorecard.

Application

For use with Milli-Q® IX 7010/15 pure water systems

IPAK Gard® pretreatment cartridges protect RO membranes to ensure system performance over years

Tank vent filter protects stored pure water from airborne contaminants

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with one Drain Cap per cartridge to remove excess water and reduce the weight of exhausted the cartridges at disposal

63% of the parts suppliers for the IPAK Gard® cartridge are ISO 14001 environmental management system-certified

Legal Information

IPAK GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IQ70XXPKIT

Milli-Q® IQ 7010/15 Ultrapure Water Purification Kit

For Milli-Q® IQ 7010 and 7015 ultrapure water systems. This product replaces IQ70XXPKT1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
greener alternative product characteristics.....	Design for Energy Efficiency
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature potable tap water (within specifications of the water purification system)
compatibility.....	for use with Milli-Q® IQ 7010
.....	for use with Milli-Q® IQ 7015
greener alternative category	DfS-Developed
shipped in	ambient
storage temp.	2-30°C

Description

General description

This water purification kit includes:

Two IPAK Gard® 10/15 pretreatment cartridges, composed of a pleated filter for the removal of particulates, minerals and colloids and a carbon block for the removal of free chlorine. This protects the reverse osmosis (RO) membrane and improves system performance.

IPAK Quanta® polishing cartridge for Elix® pure water contains innovative “IQnano” ion-exchange media for ion removal down to trace levels, plus high-grade synthetic activated carbon targets trace organic contaminants.

Tank vent filter to protect stored pure (Type 2) water from airborne contaminants. It contains activated carbon, soda lime and a membrane filter to prevent impure air from entering the tank.

We are committed to bringing you Greener Alternative Products, which belongs to one of the four categories of greener alternatives . This product is a Design for Sustainability (DfS) developed product. [Click here to view its DfS scorecard.](#)

Application

For Milli-Q® IQ 7010/15 ultrapure water systems

This kit combines two IPAK Gard® pretreatment cartridges that protects RO membranes and IPAK Quanta® polishing cartridge for Elix® feed water that ensures the consistent production of ultrapure water

Tank vent filter protects stored pure water from airborne contaminants

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with one Drain Cap per cartridge, to remove excess water and reduce the weight of exhausted cartridges at disposal
63% of the parts suppliers for the IPAK Gard® cartridge and 78% of the parts suppliers for IPAK Quanta® cartridge included in this kit are ISO 14001 environmental management system-certified

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IQ700XPKIT

Milli-Q® IQ 7003/05 Ultrapure Water Purification Kit

For Milli-Q® IQ 7003 and 7005 ultrapure water systems. This product replaces IQ700XPKT1.

Quality Level.....	300
packaging	pkg of 1 unit
manufacturer/tradename	Milli-Q®
greener alternative product characteristics.....	Design for Energy Efficiency
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
humidity measuring range	10-80% (In original sealed packaging to protect purification elements)
H.....	39.5 cm (15.5 in.)
input	feed water nature potable tap water (within specifications of the water purification system)
compatibility.....	for use with Milli-Q® IQ 7003
.....	for use with Milli-Q® IQ 7005
greener alternative category	DfS-Developed
shipped in	ambient
storage temp.	2-30°C

Description

General description

This water purification kit includes:

IPAK Gard® 03/05 pretreatment cartridge composed of a pleated filter for the removal of particulates, minerals and colloids and a carbon block for the removal of free chlorine. This protects the reverse osmosis (RO) membrane and improves system performance.

IPAK Quanta® polishing cartridge for Elix® pure water contains innovative IQnano™ ion-exchange media for ion removal down to trace levels, plus high-grade synthetic activated carbon targets trace organic contaminants.

Tank vent filter to protect stored pure (Type 2) water from airborne contaminants. It contains activated carbon, soda lime and a membrane filter to prevent impure air from entering the tank.

We are committed to bringing you Greener Alternative Products, which belongs to one of the four categories of greener alternatives . This product is a Design for Sustainability (DfS) developed product. [Click here to view its DfS scorecard.](#)

Application

For Milli-Q® IQ 7003/05 ultrapure water systems

This kit combines an IPAK Gard® pretreatment cartridge that protects RO membranes and IPAK Quanta® polishing cartridge for Elix® feed water that ensures the consistent production of ultrapure water

Tank vent filter protects stored pure (Type 2) water from airborne contaminants

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability

Supplied with one Drain Cap per cartridge, to remove excess water and reduce the weight of exhausted cartridges at disposal
63% of the parts suppliers for the IPAK Gard® cartridge and 78% of the parts suppliers for IPAK Quanta® cartridge included in this kit are ISO 14001 environmental management system-certified

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



EQ70XXPKIT

Milli-Q® EQ 7008/16 Ultrapure Water Purification Kit

For Milli-Q® EQ 7008/16 systems to produce RO (Type 3) and ultrapure (Type 1) water. This product replaces EQ70XXPKT1.

Quality Level.....	300
packaging	units of 1
manufacturer/tradename	Milli-Q®
storage condition	room temperature
greener alternative product characteristics.....	Waste Prevention
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
cartridge H.....	39.5 cm (15.5 in.)
input	feed water nature tap water (within specifications of the water purification system)
compatibility.....	for use with Milli-Q® EQ 7008
.....	for use with Milli-Q® EQ 7016
greener alternative category	Re-engineered

Description

General description

This water purification kit includes:

IPAK Gard® 3/5 pretreatment cartridge is composed of a pleated filter for the removal of particulates, minerals and colloids, and a carbon block for the removal of free chlorine from tap feed water. This protects the reverse osmosis (RO) membrane and improves system performance.

IPAK Meta® and IPAK Quanta® polishing cartridges for purified water, designed to work as a pair to produce ultrapure (Type 1) water for sensitive laboratory applications. The cartridges contain a combination of Jetpore® mixed-bed ion-exchange resin and innovative IQnano™ ion-exchange media to remove trace ions from purified feed water, as well as a high-grade synthetic activated carbon, which targets trace organic contaminants.

The Tank Vent Filter protects stored RO (Type 3) water from airborne contaminants. It includes activated carbon, soda lime and a membrane filter to prevent impure air from entering the tank.

We continue to demonstrate our commitment to a sustainable future by exploring ways to improve existing products in our portfolio.

We have reviewed our purification cartridges to identify key opportunities to minimize impact without compromising on the product performance. This product has benefited from an optimization of the resin mix, the packaging and the end-of-life management.

Therefore, it is identified as a greener alternative product in the category reengineered. View the DfS scorecard for the new Milli-Q® EQ 7008/16 purification kit.

Application

For Milli-Q® EQ 7008/16 ultrapure water purification systems

Optimally protects RO membranes (IPAK Gard®), removes trace ions and organics (Milli-Q® polishing cartridges), and protect stored water from airborne contaminants (Tank Vent Filter)

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability.

Supplied with one Drain Cap per cartridge, to remove excess water and reduce weight of exhausted cartridges at disposal.

63% of the parts suppliers for IPAK Gard® cartridge and 78% of the parts suppliers for IPAK Quanta® and IPAK Meta® cartridges included in this kit are ISO 14001 environmental management system-certified.

Legal Information

IPAK GARD is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CFUF01204

Milli-Q® UF Ultrapure Cartridge Kit

An all-in-one consumable to remove trace organics, inorganic ions and bacteria

UNSPSC Code 41104212
eCl@ss 33050190
NACRES JA.14

Quality Level 300
packaging pkg of 1 kit
manufacturer/tradename Milli-Q®
pore size 0.22 µm pore size
shipped in ambient

Description

General description

Milli-Q® UF Cartridge Kit is used with Milli-Q® UF Bowl-style water purification systems.

Features and Benefits

Includes one Super-C cartridge to eliminate dissolved organics, two nuclear-grade ion exchange cartridges to remove trace inorganic ions to 18 MΩ.cm resistivity, and one 0.22 µm Millipak® filter unit to remove bacteria.

Other Notes

Directions For Use:

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (available on USB key in the system box).

Storage Statement: Store in a dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

MILLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CF0F012P5

Kit: Milli-Q® Organic-Free (DI feedwater)

For use with AFS® (1999-2012) and Milli-Q® Bowl systems with DI feed water.

Quality Level.....300
packagingpkg of 1 kit
manufacturer/tradenameMilli-Q®
pore size.....0.22 µm pore size
compatibility.....for use with AFS® (1999-2012)
shipped inambient

Description

General description

Kit: Milli-Q® Organic-Free (DI feedwater) is a water purification consumable for use with AFS® (1999-2012) and Milli-Q® Bowl systems with DI feed water.

Other Notes

Directions For Use:

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (available on USB key in the system box).

Storage Statement: Store in a dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

AFS is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CF0F01205

Kit: Milli-Q® Organic-Free (RO feedwater)

For use with Milli-Q® bowl water purification system fed by RO water

Quality Level.....	300
packaging	pkg of 1 kit
manufacturer/tradename	Milli-Q®
pore size.....	0.22 µm filter (absolute bacterial filter)
shipped in	ambient

Description

General description

This kit contains pretreatment and purification replacement cartridges such as one Super-C organics removal cartridge, two ion-exchange deionization cartridges, one Organex-Q trace organic removal cartridge, and one Millipak® filter unit. All cartridges are vacuum packed and have a two-year shelf life.

Features and Benefits

- Activated carbon cartridge to remove dissolved organics.
- Nuclear-grade ion-exchange cartridges to remove trace inorganic ions to 18 MΩ·cm resistivity.
- Organic scavenger cartridge to remove trace organics.
- A final 0.22 µm absolute bacterial filter.

Other Notes

- Directions For Use:
- Organism Retention: Microorganisms
- Mode of Action: Filtering
- Application: General laboratory analysis
- Intended Use: Water purification
- Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (available on USB key in the system box).
- Storage Statement: Store in a dry location
- Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

MILLIPAK is a registered trademark of Merck KGaA, Darmstadt, Germany
Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IPAKKITEX

Milli-Q® Polishing Kit for Elix® Pure Water

For Milli-Q® IQ/EQ 7000 ultrapure water systems fed by Elix® pure water. This product replaces IPAKKITA1.

Quality Level.....	300
packaging	units of 1
manufacturer/tradename	Milli-Q®
storage condition	room temperature
greener alternative product characteristics.....	Waste Prevention
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
cartridge H.....	39.5 cm (15.5 in.)
input	feed water nature pure water (Elix® water)
compatibility.....	for use with Milli-Q® EQ 7000 (Feed Water from Elix®)
.....	for use with Milli-Q® IQ 7000 (Feed Water from Elix®)
greener alternative category	Re-engineered
shipped in	ambient

Description

General description

This purification kit contains IPAK Meta® and IPAK Quanta® polishing cartridges for Elix® water, designed to work as a pair to produce ultrapure (Type 1) water for sensitive laboratory applications.

The cartridges contain a combination of Jetpore® mixed-bed ion-exchange resin and innovative IQnano™ ion-exchange media to remove trace ions from purified water, as well as a high-grade synthetic activated carbon, which targets trace organic contaminants. We continue to demonstrate our commitment to a sustainable future by exploring ways to improve existing products in our portfolio. We have reviewed our purification cartridges to identify key opportunities to minimize impact without compromising on the product performance. This product has benefited from an optimization of the resin mix, the packaging and the end-of-life management. Therefore, it is identified as a greener alternative product in the category reengineered. View the DfS scorecard for the new Milli-Q® polishing kit for Elix® water.

Application

For Milli-Q® IQ/EQ 7000 ultrapure water systems fed with Elix® feed water.

Removes trace ions and organic contaminants to deliver ultrapure (Type 1) water for sensitive applications.

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability.

Supplied with one Drain Cap per cartridge, to remove excess water and reduce the weight of exhausted cartridges at disposal.

78% of the parts suppliers for IPAK Quanta® and IPAK Meta® cartridges included in this kit are ISO 14001 environmental management system-certified.

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IPAKKIT00

Milli-Q® Polishing Kit for Purified Water

For Milli-Q® IQ/EQ 7000 and EQ 7008/16 ultrapure water systems fed with purified water. This product replaces IPAKKITA1.

Quality Level.....	300
packaging	units of 1
manufacturer/tradename	Milli-Q®
storage condition	room temperature
greener alternative product characteristics.....	Waste Prevention
.....	Learn more about the Principles of Green Chemistry.
sustainability	Greener Alternative Product
cartridge H.....	39.5 cm (15.5 in.)
input	feed water nature purified water
compatibility.....	for use with Milli-Q® EQ 7000
.....	for use with Milli-Q® EQ 7008
.....	for use with Milli-Q® EQ 7016
.....	for use with Milli-Q® IQ 7000
greener alternative category.....	Re-engineered
shipped in	ambient

Description

General description

This Milli-Q® kit contains IPAK Meta® and IPAK Quanta® polishing cartridges for purified water, designed to work as a pair to produce ultrapure (Type 1) water for sensitive laboratory applications.

The cartridges contain a combination of Jetpore® mixed-bed ion-exchange resin and innovative IQnano™ ion-exchange media to remove trace ions from purified feed water, as well as a high-grade synthetic activated carbon, which targets trace organic contaminants.

We continue to demonstrate our commitment to a sustainable future by exploring ways to improve existing products in our portfolio. We have reviewed our purification cartridges to identify key opportunities to minimize impact without compromising on the product performance. This product has benefited from an optimization of the resin mix, the packaging and the end-of-life management. Therefore, it is identified as a greener alternative product in the category reengineered. View the DfS scorecard for the new Milli-Q® polishing kit for pure water.

Application

For Milli-Q® IQ/EQ 7000 and EQ 7008/16 ultrapure water systems when fed with purified water.

Removes trace ions and organic contaminants to deliver ultrapure (Type 1) water for sensitive applications.

Features and Benefits

e-Sure tags enable RFID connection with the system, for seamless consumable status monitoring, data management and full traceability.

Supplied with one Drain Cap per cartridge, to remove excess water and reduce the weight of exhausted cartridges at disposal.

78% of the parts suppliers for the cartridges included in this kit are ISO 14001 environmental management system-certified.

Legal Information

IPAK META is a registered trademark of Merck KGaA, Darmstadt, Germany

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany

IQNANO is a trademark of Merck KGaA, Darmstadt, Germany

JETPORE is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



IPAKICPK1

Milli-Q® IQ Element Consumable Kit

Removes trace ionic contaminants and particulates from ultrapure water

Quality Level.....	300
packaging	pkg of 1 kit
manufacturer/tradename	IPAK Quanta®
parameter	(Resistivity 18.2 MΩ.cm @ 25 °C)
.....	1.5 L/min flow rate (Resistivity 18.2 MΩ.cm @ 25 °C)
total organic carbon (TOC) residue	≤5 ppb
pore size.....	0.1 µm filter (final filter)
compatibility.....	for use with Milli-Q® Element

Description

General description

Milli-Q® IQ Element consumable kit consists of IPAK Quanta® ICP polishing cartridge and 0.1 µm Optimizer LW final filter. The polishing cartridge removes trace ions while the filter removes particulates from feed water to produce high-quality ultrapure water.

Application

Product ultrapure water is suitable for sensitive analyses by ICP-MS, GF-AAS and trace IC.

Features and Benefits

For optimal purification of ultrapure water down to ppt and sub-ppt ion levels.
Purification cartridges have been designed to be effortlessly replaced.

Legal Information

IPAK QUANTA is a registered trademark of Merck KGaA, Darmstadt, Germany
Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany



CFIF01205

Kit: Milli-Q® Ion-Free Ultrapure Cartridge

For use with Milli-Q® Bowl systems

Quality Level.....300
packagingpkg of 1 kit
manufacturer/tradenameMilli-Q®

Description

General description

The Ultrapure Cartridge Kit is an all-purpose water purification consumable designed to remove trace organic and inorganic contaminants from RiOs™, Elix® or distilled feed water.

Application

Removes ionized impurities from RiOs™, Elix® or distilled feed water to produce high-quality ultrapure water.

Other Notes

Directions For Use:

Organism Retention: Microorganisms

Mode of Action: Filtering

Application: General laboratory analysis

Intended Use: Water purification

Instructions for Use: This item provides water filtered through 0.22 µm sterilizing-grade membranes. Refer to the system equipment user guide section "Using the System" (available on USB key in the system box).

Storage Statement: Store in a dry location

Disposal Statement: Dispose of in accordance with applicable federal, state and local regulations.

Legal Information

ELIX is a registered trademark of Merck KGaA, Darmstadt, Germany

Milli-Q is a registered trademark of Merck KGaA, Darmstadt, Germany

RIOS is a trademark of Merck KGaA, Darmstadt, Germany



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