

Medical & Laboratory Pure Water

The Q-Range of MLG **M**edical & **L**aboratory **G**rade Pure Water, is a comprehensive suite of 5 high grade pure waters, ranging from simple deionised through to molecular biology grades, catering to the majority of pure water laboratory uses.

Prepared in the UK, the proprietary process yields ultra-pure water without chemical additives.

For when consistent water purity is a critical factor in your analysis always rely on **Q-Range MLG Water** - the globally trusted brand for laboratory chemicals and chromatography supplies.



SPECIFICATION	Molecular Biological Water	Water For Injection WFI	Pure Distilled Water	Laboratory Grade Water	Pure Deionised Water
	Nuclease - Dnase, Rnase & Human DNA Free, PCR Grade, Particle free, Endo nuclease Free, Particle free, ASTM D1193-06 ISO 3696	Sterile Water, Particle Free, ASTM D1193-06 ISO 3696	Sterile Water, ASTM D1193-06 ISO 3696	Type 1A, Analar Water, Particle Free, ASTM D1193-06	Type 2A & 3A, EP Grade, ASTM D1193-06, ISO 3696
GRADE	MLG1	MLG2	MLG3	MLG4	MLG5
General Applications (see Applications page for more)	Antibody Testing	Water For Irrigation Cell culture	Cell Culture	Chromatography, HPLC, Trace Analysis, Spectro Trace Analysis, Spectro Photography, Electrophoresis	Glassware Washing & Rinsing
Storage & Shipping	Room Temperature 15-30°C	Room Temperature 15-30°C	Room Temperature 15-30°C	Room Temperature 15-30°C	Room Temperature 15-30°C
Cas No.	7732-18-5	7732-18-5	7732-18-5	7732-18-5	7732-18-5
Hazard Class	Classified as non hazardous, according to regulation (EC) 1272/2008 [CLP]				
EC-No.	231-791-2	231-791-2	231-791-2	231-791-2	231-791-2
DEPC	Free	Free	Free	Free	Free
Molecular Mass	18.01528 g/mol				
Resistivity MΩ - megohm	10-15MΩ/cm	10-15MΩ/cm	5-10MΩ/cm	12-18MΩ	1-5MΩ/cm
pH	6-8pH				
Chlorides	<1µg/l	<1µg/l	<5µg/l	<1µg/l	<10µg/l
Calcium	<1µg/l	<1µg/l	<5µg/l	<1µg/l	<10µg/l
Conductivity - µS/cm	0.1 µS/cm	0.1 µS/cm	0.1-1 µS/cm	0.1 µS/cm	1 µS/cm
TOC ppb	<50	<50	<50	<50	<200
Bacteria - CFU/ml	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml	<10 CFU/ml
Silica µg/l	<3µg/l	<3µg/l	<3µg/l	<3µg/l	<200µg/l
Shelf life	12 Months (Sealed/unopened)				
Examples of Purification Stages	Potable Water / Water Softener / Sediment Removal 5µm / Carbon Filtration 5µm - TOC Reduction / Reverse Osmosis / Demineralisation Vessel / UV Sterilization / Ultrafine Filtration 0.1µS / Distillation				

ADVANTAGES of

Q-Range MLG PURE WATER

- Ready to use
- Not DEPC treated
- No chemical additives
- Choice of glass or plastic bottles with tamperproof lids
- Full Batch traceability
- Bespoke pack sizes available
- Manufactured in the UK
- Certificate of Conformity and Analysis
- Available in 100ml, 500ml and 1000ml
- 7 to 8 purification levels
- All bottles sealed for purity and freshness
- Guaranteed purity levels
- Reduce expensive test fails due to impurities

Please contact our sales department or view the website www.greyhoundchrom.com for information on these and the many other laboratory products available from Greyhound

For laboratory use only. Our products are not intended for use in diagnostic or therapeutic applications in humans or animals

The Q-Range™ of Medical and Laboratory Pure Water consists of a suite of 5 high grade pure waters, ranging from simple deionised through to molecular biology grades, servicing the requirements of the majority of pure water laboratory uses.

Q-Range™ - For when consistent water purity is a priority

- Guaranteed Purity Levels
- Ready To Use
- Not DEPC Treated
- Prompt Delivery
- No Chemical Additives
- Excellent Prices
- Bottles Sealed For Security & Freshness
- Reduce Expensive Test Fails Due To Impurities
- Made Fresh Daily In The UK
- Certificate Of Conformity & Analysis
- Assorted Bottle, Closure & Pack Sizes Available -100ml, 500ml, 1000ml.
- 7 to 8 Stage Purification Levels
- Choice Of Glass Or Plastic Bottles With Tamperproof Lids
- Batch Traceability
- Bespoke Water & Size Service

The Q-Range™ MLG Pure Waters are suitable for the majority of laboratory reagent and molecular biology applications.

'The majority of failed, laboratory tests are thought to be directly attributed to the impurities in the reagent water used, leading to erroneous results, added expense and delays.'

The inconsistency of source water, poor maintenance of 'pure water' lab systems, the lack of credible pure water standardisation/definition and the high cost of pure water all add to the financial burden which laboratories have to factor into their running costs.

Many tests are laborious, precise and expensive to perform. Laboratory water which is poor quality and has inconsistent purity can negatively impact the accuracy of the results by having unwanted conductivity, particles, bacteria, Nuclease or silicate levels etc.

The work involved with repeating failed test can waste many hours of analysts time further adding to the cost of each analysis.

Successful test results rely heavily on the quality and consistency of the reagents being used -

Q-Range Pure Waters provide that important guarantee, thereby reducing costs and increasing productivity.

Quick Reference Guide - Applications For Medical & Laboratory Pure Water

Q-Range MLG Water Application & Uses	Molecular Biological Water Nuclease - Dnase, Rnase & Human DNA Free, PCR Grade, Endo nuclease Free, Particle free, ASTM D1193-06, ISO 3696	Water For Injection - WFI Sterile water, Particle Free, ASTM D1193-06, ISO 3696	Pure Distilled Water Sterile Water, ASTM D1193-06, ISO 3696	Laboratory Grade Water Type 1A, Analar Water, Particle Free, ASTM D1193-06	Pure Deionised Water ASTM D1193-06, ISO 3696, Type 2A & 3A, EP Grade
PRODUCT CODE:	98-MLG1	98-MLG2	98-MLG3	98-MLG4	98-MLG5
Antibody testing	•				
Autoclave use			•	•	•
Bacteriology	•	•	•		
Biochemistry		•	•	•	
Buffers & solutions preparations			•	•	•
Chromatography Gas Liquid, HPLC		•	•	•	
Cell & tissue cultures all types	•		•		
Electrochemistry			•	•	
Electrophysiology				•	•
Electrophoresis			•	•	•
Elia	•	•			
Endotoxin analysis	•	•			
Gel analysis		•	•	•	
General chemistry				•	•
Glassware washing					•
Histology	•	•			
Hydroponics			•	•	•
Immunology	•	•			
Medical applications	•	•	•	•	•
Micro & molecular biology	•	•			
Organic matter analysis		•	•	•	
PCR testing	•	•	•		
Proteomics	•	•	•		
Quantitative analysis		•	•	•	
Radioimmunoassay	•	•			
Reagent preparation		•	•	•	
RNA detection	•				
Sample dilution			•	•	
Solid Phase Extraction			•	•	
Spectrometry ICP & OES				•	
Spectrophotometry				•	
Spectroscopy ICP & Mass				•	
Steam generators			•	•	•
Sterile water use			•	•	
TOC analysis	•	•		•	
Trace element determination				•	
Trace metal detection				•	
Water analysis			•	•	•

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- Ready to use
- Not DEPC treated
- No chemical additives
- Choice of glass or plastic bottles with tamperproof lids
- Full Batch traceability
- Bespoke pack sizes available
- Manufactured in the UK
- Certificate of Conformity and Analysis
- Available in 100ml, 500ml and 1000ml
- 7 to 8 purification levels
- All bottles sealed for purity and freshness
- Guaranteed purity levels
- Reduce expensive test fails due to impurities

MULTI - INDUSTRY DEMAND for Q-Range™ MLG PURE WATER

- Chemical Manufacturing
- Food and Beverages
- Engineering
- Cosmetics
- Energy
- Process Rinsing
- Cooling Systems
- Nuclear
- Oil & Gas
- Others

For larger quantities of Deionised/Demineralised Water, we can supply in 25Ltr, 1000Ltr and 28,000Ltr Units - please enquire to discuss your individual bulk or call-off requirements.

Ordering Information

Part No.	Description	Pack Size
98-MLG1-100	Water for Molecular Biology	10 x 100mL
98-MLG1-500	Water for Molecular Biology	10 x 500mL
98-MLG1-1000	Water for Molecular Biology	5 x 1Ltr
98-MLG2-100	Water for Injection - WFI	10 x 100mL
98-MLG2-500	Water for Injection - WFI	10 x 500mL
98-MLG2-1000	Water for Injection - WFI	5 x 1Ltr
98-MLG3-100	Water Pure Distilled	10 x 100mL
98-MLG3-500	Water Pure Distilled	10 x 500mL
98-MLG3-1000	Water Pure Distilled	5 x 1Ltr
98-MLG4-100	Water Laboratory Grade	10 x 100mL
98-MLG4-500	Water Laboratory Grade	10 x 500mL
98-MLG4-1000	Water Laboratory Grade	5 x 1Ltr
98-MLG5-100	Water Pure Deionised	10 x 100mL
98-MLG5-500	Water Pure Deionised	10 x 500mL
98-MLG5-1000	Water Pure Deionised	5 x 1Ltr

For pricing please view our website - www.greyhoundchrom.com, or contact our sales team on +44 (0) 151 649 4000 or sales@greyhoundchrom.com
Bulk and call-off prices for all MLG Waters are available on request.