

## Serving Science, Technology, Labs &amp; Engineering Sectors Worldwide.

Nuclease-free molecular biology grade water is a fundamental reagent for work with genetic material.

It is highly purified RNase- and DNase-free water for sensitive nucleic acid applications, with very low ionic and organic contamination and controlled endotoxin levels to prevent non-specific degradation of RNA and DNA.

Ideal for applications such as preparation and dilution of DNA and RNA samples, reconstitution of oligonucleotides, primers, probes and enzymes, preparation of PCR, qPCR and RT-qPCR master mixes, cDNA synthesis and high-throughput sequencing or other nucleic acid-based workflows.

Each batch undergoes rigorous quality control, with routine testing for RNase, DNase, genomic DNA and endotoxin; see specification chart for full details.

| PARAMETER / GRADE                           |                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------|
| Appearance                                  | Clear and colourless                                                         |
| pH (25° C)                                  | -                                                                            |
| Conductivity $\mu\text{S}/\text{cm}$        | <0.1                                                                         |
| Resistivity $\text{M}\Omega/\text{cm}$      | >10                                                                          |
| Total Organic Carbon $\mu\text{g}/\text{L}$ | <10                                                                          |
| Endotoxin Level EU/mL                       | <0.25                                                                        |
| Sterility                                   | Sterile                                                                      |
| RNase Activity                              | None Detected                                                                |
| DNase Activity                              | None Detected                                                                |
| Protease Activity                           | None Detected                                                                |
| CFU/mL                                      | <1                                                                           |
| CAS Number                                  | 7732-18-5                                                                    |
| Shelf Life                                  | 6 months when unopened and stored between 2°C and 18°C in a dark environment |

- ✓ **UK Manufacturer**
- ✓ **Fast - Just in time deliveries**
- ✓ **No Chemical Additives**
- ✓ **Extensive Formulated Range**
- ✓ **Batch Traceability**
- ✓ **Manufactured in ISO-certified purpose built facilities**

## OPTIONS:

- ✓ **Application specific cap solutions**
- ✓ **In volumes to meet your needs from 100ml to 27,000L**
- ✓ **Ultrafast Emergency Service Available**

- ✓ **Custom Formulation Capability**
- ✓ **Nitrogen & Ozone Flushing**
- ✓ **Gamma Irradiation**
- ✓ **Non-Standard container types to suit your requirements**



Call or email to discuss your ultrapure water requirements

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