NEPTEC
ultrapure water

Choosing the Right Laboratory Water:

Why Purity Matters

Not all lab water is the same —and using the wrong grade can compromise your results.

From basic cleaning to high-precision analysis, each application requires a specific level of purity.

- **Protects Your Results**
- **Extends Equipment Life**
- **Improves Efficiency**
- **Cost Effective**

1 Type 1 Ultrapure Water

18.2 MΩ·cm @ 25°C

The highest purity water for the most critical and sensitive applications. Essential where even trace contaminants can affect accuracy.

IDEAL FOR

- HPLC, UPLC, LCMS, IC, GC
- ICP, ICP-MS
- Mass Spectroscopy
- Molecular Biology
- Cell & Tissue Cultures
- Genomics (PCR, DNA, IVF)

For high-precision analysis and critical research

2 Type 2 Pure Water

~1.0 MΩ·cm @ 25°C

High-quality water for general laboratory use, reagent preparation, and a wide range of analytical techniques.

IDEAL FOR

- Media and Buffer Preparation
- Chemical and Biochemical Reagent Preparation
- General Laboratory Analysis
- Feeding Type 1 Systems
- General Lab Equipment (Autoclave, Waterbath)
- Sterilizer and Glassware Washing/Rinsing

For routine lab applications and reliable performance

3 Type 3 RO Water

~0.05 MΩ·cm @ 25°C

Pre-treated water with basic purity. Suitable for routine tasks and as feed water for higher purification systems.

IDEAL FOR

- Feeding Type 1 Systems
- Feeding General Lab Equipments (Autoclave, Waterbath)
- Glassware Washing/Rinsing
- General Cleaning Tasks
- As Feed Water for Purification Systems

For basic needs and pre-treatment applications

EACH GRADE SERVES A PURPOSE

Right Water
Match the water grade to your application requirements

Better Results
Ensure accuracy, reproducibility, and data integrity

Smarter Choice
Avoid rework, protect equipment, and save operational costs

Each grade serves a purpose —using the right one ensures efficiency, accuracy, and cost-effectiveness.

The right purity. For every purpose. | **Purity Today. Confidence Always.**

IT TECH

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