

Are You Using the Right Quality of Water?

Different levels of quality are required for a vast range of applications, therefore different grades of water must be purified and utilized to match the required procedures or appliances.

Grade of Water	Resistivity (M-cm)	TOC (ppb)	*Bacteria (CFU/ml)	**Endo-toxin (EU/ml)	Typical Applications
Type 1+	18.2	<5	<1	<0.03	GF-AAS, ICP-MS, trace metal detection
Type 1	>18	<10	<10	<0.03	High Performance Liquid Chromatography (HPLC), GC, AAS, Immunocytochemistry, mammalian cell culture, plant tissue culture
Type 2+	>10	<50	<10	NA	General laboratory applications requiring higher inorganic purity
Type 2	>1	<50	<100	NA	Feed to ultra pure type 1 systems, feed to clinical analyzers, electrochemistry, sample dilution, media preparation, radioimmunoassay
Type 3	>0.05	<200	<1000	NA	Feed to ultra pure water type 1 systems, feed to washing machines, dishwashers, autoclaves