

Molecular Biology Grade Water

HYCLONE BUFFERS AND PROCESS LIQUIDS

HyClone™ HyPure Molecular Biology Grade Water is purified, tested, and certified to have no detectable enzyme activity in DNase, RNase, and protease assays. To ensure a high quality product, the water is produced in our ISO 9001 certified facilities (Fig 1).

Key features of HyPure Molecular Biology Grade Water:

- Significantly low levels of endotoxins
- Certified to have no detectable activity in DNase, RNase, and protease assays
- Maximum allowable limit of endotoxin is 0.05 EU/mL

Specifications

HyPure Molecular Biology Grade Water is manufactured using ISO 9001 and ISO 13485 certified processes according to 21 CFR 820 medical device current good manufacturing practices (cGMP). Purification process includes continuous deionization, reverse osmosis, ultraviolet light treatment, distillation, and 0.1 µm filtration.

Quality control testing

Quality control test specifications are listed in Table 1.

Table 1. Test specifications

Appearance	Clear liquid
pH	5.0–7.0
Sterility testing	No growth (bacteria or fungi)
Endotoxin	≤ 0.05 EU/mL
Nucleases	No detectable activity
Proteases	No detectable activity



Fig 1. HyPure Molecular Biology Grade Water.

Applications

HyPure Molecular Biology Grade Water is intended for manufacturing or research use. Not for diagnostic or therapeutic use.

Applications for HyPure Molecular Biology Grade Water include:

- Buffer preparation
- DNA/RNA purification
- DNA sequencing and libraries
- Gene mapping
- Recombinant DNA and cloning
- PCR analysis
- Northern and Southern blot

Ordering information

Product	Size	Product code
HyClone HyPure Molecular Biology Grade Water	100 mL	SH30538.01
	500 mL	SH30538.02
	1000 mL	SH30538.03
	6 × 500 mL	SH30538.FS
	6 × 1000 mL	SH30538.LS

Related products	Size	Product code
HyClone HyPure WFI Quality Water, US Animal-derived component-free	100 mL	SH30221.18
	500 mL	SH30221.17
	1000 mL	SH30221.10
	6 × 1000 mL	SH30221.LS
HyClone HyPure Cell Culture Grade Water	100 mL	SH30529.01
	500 mL	SH30529.02
	1000 mL	SH30529.03
	6 × 500 mL	SH30529.FS
	6 × 1000 mL	SH30529.LS

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