

ORDERING INFORMATION

CAT. NO.	SIZE	PACKAGE CONTENT
AP9000101	1 L	Water, Molecular Biology Grade

STORAGE Store at room temperature

SHIPMENT Protect from moisture

DESCRIPTION

This product has been 0.1 μm filtered into the sterilized container. It is suitable for molecular biology applications. This water is free of nucleases and proteases that are important for the research of nucleic acid and protein. Moreover, it has been analyzed bioburden limit with specification of <1 cfu/mL. It has not been treated with diethylpyrocarbonate (DEPC).

Water, Molecular Biology Grade

SPECIFICATIONS

PRODUCT	Water
GRADE	Molecular Biology
FORMULA	H ₂ O
MOLECULAR WEIGHT	18.02 g/mol
APPEARANCE	Clear and Colorless
DNase	None
RNase	None
PROTEASE	None
ENDOTOXIN LEVEL	<0.125 EU/mL
BIOBURDEN	<1 cfu/mL
TOTAL HEAVY METAL	<0.1 ppm

STEPS BEFORE STARTING

- Store at room temperature.
- Protect from moisture.

PRECAUTION

This product is for research use only, not for use in diagnostic procedure, or other uses. Please read the Material Safety Data Sheet (MSDS) and follow the handling instructions.

QUALITY CONTROL

DNase activity

A sample is incubated with DNase probe and analyzed by spectrophotometry.

RNase activity

A sample is incubated with RNase probe and analyzed by spectrophotometry.

Protease activity

A sample is incubated with labeled casein and analyzed by spectrophotometry.

Endotoxin level

This assay is based on Limulus Amoebocyte Lysate test (LAL test) that exploits the action of this enzyme, by adding LAL reagent to the tested product, and assaying for clot formation.

Bioburden testing

A sample is filtered through membrane. That membrane is incubated on agar medium and determined as colony-forming units.

Total heavy metal

This testing is based on colorimetric method.

USEFUL HINTS

- Visit Support at www.apsalagen.com for product selection guides.
- Visit Applications at www.apsalagen.com for more nucleic acid purification and analysis products.
- Visit OEM at www.apsalagen.com for custom product formulations and bulk amounts.

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Legal Disclaimer and Product Use Limitation

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