



Product Specifications

ETHIDIUM BROMIDE

<u>Catalog #</u>	<u>Size</u>
IB40060	5gm

Physical Specifications

CAS#	1239-45-8
Formula Weight	394.32
Molecular Formula	$C_{21}H_{20}BrN_3$
Purity	>98.0%
Moisture	Max. 5.0%
Ammonium Bromide	Max. 0.1%
Melting Point	$272.5 \pm 2.5^{\circ}C$

Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected

Recommended Use

Ethidium Bromide can be used to detect both single-and-double stranded nucleic acids (both DNA and RNA). However, Ethidium Bromide does not intercollate into single-stranded DNA very well; therefore, the fluorescence of single-stranded DNA is relatively poor in comparison to double-stranded DNA. The recommended final concentration of Ethidium Bromide in agarose gels and electrophoresis buffers is 0.5 μ g/ml.

Storage

Store at room temperature. Protected from moisture. Keep tightly sealed. Light Sensitive.

Warning

Poison/Suspected mutagen. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Do not take internally. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.