

Lot No.: **4N1**

Olerup SSP[®] Ethidium Bromide Dropper Bottle

Product number: 103.301-10
Lot number: 4N1
Volume: 10 ml
Concentration: 625 µg/ml
Expiry date: 2027-February-01
Storage: Room temperature (25°C)

PRODUCT USE For the recommended final concentration of 0.5µg/ml, simply add one drop from the bottle for every 50 ml of solution. For the most accurate and consistent results, hold the dropper bottle vertically and squeeze slowly until the forming drop falls from the tip.

$$\begin{array}{ccccccc}
 \mathbf{0.040\ ml} & \mathbf{x} & \mathbf{625\ \mu g/ml} & \mathbf{/} & \mathbf{50\ ml} & \mathbf{=} & \mathbf{0.5\ \mu g/ml} \\
 \text{drop size} & & \text{stock} & & \text{final} & & \text{final} \\
 & & \text{concentration} & & \text{volume} & & \text{concentration}
 \end{array}$$

Remember to allow agarose to cool to 55-60°C before addition of ethidium to prevent volatilization of the compound.

For post-run staining of gels, use a 1X buffer with 0.5 µg/ml ethidium bromide for 30 min at RT. This can be followed with an optional destaining soak in water or 1 mM MgSO₄ for 20 min at RT, to reduce background fluorescence.

STORAGE Store at room temperature (25°C) and shield from light. The storage vial supplied with your dropper bottle is specially designed to exclude damaging UV light. It also provides an extra level of protection from accidental spills.

DISPOSAL Classified as conventional waste according to the Commission Regulation (EU) No 1357/2014 on waste. EWC-code: 18 01 07 (chemicals other than those mentioned in 18 01 06) according to the European Waste Catalogue). All disposal practices must be in accordance with local, regional, national and international regulations.

CAUTIONS For a full description of safety information and handling of the product, refer to the SDS for Olerup SSP[®] Ethidium Bromide Dropper Bottle on: <https://labproducts.caredx.com/products/olerup-ssp/technical/sds/>
Do not handle until all safety precautions have been read and understood.

Ethidium bromide is classified as hazardous to health, harmful if inhaled. Always use gloves and eye protection when handling ethidium containing solutions.

The UV light from sources used for visualization of ethidium stained DNA is damaging to your eyes. Always wear appropriate protective eyewear when using these instruments.

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