

## Surface RNase Erasol

Cat.No.: OPD413

### Description

Surface RNase Erasol is a special formulation which inactivates RNase enzyme effectively creating clean area for working with RNA.

- High efficiency: The product can completely inactivate RNase, up to 100µg on the solid surface within 5 minutes.
- Efficient: It can inactivate RNase T1, RNase H, BAL31, S1, Mung bean nuclease and other RNase or DNase
- Safe: Compared to other options like DEPC, Surface RNase Erasol is not harmful to human or the environment.

### Storage

Room temperature for 2 years

### Protocol

#### 1. Treatment of water:

Add Surface RNase Erasol stock solution to the water that needs to be treated at a ratio of 1:1000, mix thoroughly and leave it at room temperature for 24 hours.

#### 2. Cleaning of working platform:

Sprinkle stock Surface RNase Erasol or diluted Surface RNase Erasol (1:10 in ddH<sub>2</sub>O) on the platform. After 5 minutes, clean with absorbent paper. Wipe the surface again with absorbent paper soaked with diluted Surface RNase Erasol (1:1000 in ddH<sub>2</sub>O). Rinse with RNase-free water and then dry with clean paper towel.

#### 3. Cleaning of laboratory instruments:

Wipe the instrument with absorbent paper soaked dipped in stock Surface RNase Erasol or diluted Surface RNase Erasol (1:10 in ddH<sub>2</sub>O). After 5 minutes, clean with absorbent paper. Wipe the surface again with absorbent paper soaked with diluted Surface RNase Erasol (1:1000 in ddH<sub>2</sub>O). Rinse with RNase-free water and then wipe dry.

Some small parts may be cleaned by briefly soaking them in Surface RNase Erasol or diluted Surface RNase Erasol (1:10 in ddH<sub>2</sub>O), rinsing them with RNase-free water and then drying.

#### 4. Cleaning of glass and plastic vessels:

Add or spray enough freshly diluted Surface RNase Erasol (1:10 in ddH<sub>2</sub>O) so that the entire surface of the vessel can be coated with the solution upon swirling, or vortexing in the case of centrifuge and microfuge tubes. After 5 minutes, add or spray 1:1000 diluted Surface RNase Erasol. Keep for 1 minute then discard the solution, rinse vessels thoroughly two times with RNase-free water.

#### 5. Cleaning of pipettes:

Remove shaft from pipettor according to manufacturer's instructions. Remove seals and gaskets from the shaft and then soak shaft for one minute in diluted Surface RNase Erasol (1:10 in ddH<sub>2</sub>O). Wash twice with freshly diluted Surface RNase Erasol (1:1000 in ddH<sub>2</sub>O). Rinse the shaft thoroughly with RNase-free water and then reassemble pipette.

**6. Cleaning of plastic centrifuge tubes and tips:**

Dip the plastic centrifuge tube and tips in freshly diluted Surface RNase Erasol (1:1000 in ddH<sub>2</sub>O). After 5 minutes, wash with freshly diluted Surface RNase Erasol (1:10000 in ddH<sub>2</sub>O). Rinse with RNase-free water and then air dry.