

# Technical Data Sheet

**MOLEQULE-ON<sup>®</sup>**

## **Tris-EDTA (TE) Buffer (10X)**

**Cat No. BF-M-TE-10X**

### **Description**

TE buffer is mixture of Tris and EDTA and generally use as dissolvers or preservatives. Tris maintain a stable pH in biological samples and provides buffering capacity, while EDTA is a metal chelator which helps in preventing metal ion interference by chelating divalent metal ions. TE Buffer is frequently used in molecular biology techniques, such as DNA and RNA sample preparation, enzymatic reactions and electrophoresis. It maintains the stability and integrity of DNA and RNA by inhibiting the activity of metal-dependent enzymes and nucleases.

### **Application**

TE buffer is useful for general extraction, washing, suspension and storage buffer and in the preparation of nucleic acid. It is also commonly used for PCR, DNA sequencing, restriction enzyme digestion and ligation.

### **Composition**

1X TE buffer composition is 10mM Tris-HCl and 1mM EDTA pH 8.0.

### **How to make 1X Working Solution**

Mix 100ml of 10X TE Buffer and 900ml of distilled sterile water to make 1X TE working buffer solution.

### **STORAGE**

Store at 15-25°C.

For laboratory use only. Not intended for human therapeutic or diagnostic use.