

## Certificate of Analysis

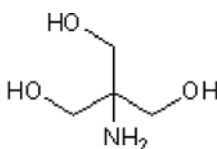
[www.tocris.com](http://www.tocris.com)

**Product Name:** TRIS base  
**CAS Number:** 77-86-1  
**IUPAC Name:** 2-Amino-2-(hydroxymethyl)-1,3-propanediol

**Catalog No.:** 3163  
**Batch No.:** 9  
**EC Number:** 201-064-4

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>  
**Batch Molecular Weight:** 121.14  
**Physical Appearance:** White crystalline solid  
**Solubility:** water to 3000 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Assay:** 100.0%  
**pH (5%, water) :** 10.8  
**DNase/RNase/Protease:** Not Detected

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-techne.com**  
info@bio-techne.com  
techsupport@bio-techne.com

**North America**  
Tel: (800) 343 7475

**China**  
info.cn@bio-techne.com  
Tel: +86 (21) 52380373

**Europe Middle East Africa**  
Tel: +44 (0)1235 529449

**Rest of World**  
[www.tocris.com/distributors](http://www.tocris.com/distributors)  
Tel: +1 612 379 2956

**Product Name:** TRIS base

**Catalog No.:** 3163

**Batch No.:** 9

CAS Number: 77-86-1

EC Number: 201-064-4

IUPAC Name: 2-Amino-2-(hydroxymethyl)-1,3-propanediol

**Description:**

TRIS base is a commonly used laboratory reagent. Highly water soluble. Working pH range 7 - 9. Used in buffer solutions such as Tris-buffered saline (TBS), Tris-acetate-EDTA (TAE) in combination with acetic acid and EDTA (Cat. No. 2811) and Tris-borate-EDTA in combination with boric acid and EDTA.

**Physical and Chemical Properties:**

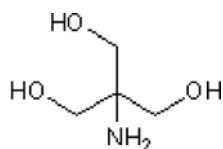
Batch Molecular Formula: C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>

Batch Molecular Weight: 121.14

Physical Appearance: White crystalline solid

**Minimum Purity:** ≥99.5%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water to 3000 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956