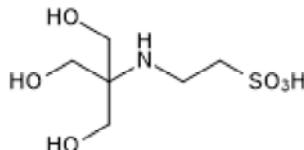


Certificate of Analysiswww.tocris.com**Product Name:** TES, free acid**Catalog No.:** 5891**Batch No.:** 2

CAS Number: 7365-44-8

EC Number: 230-906-3

IUPAC Name: *N*-Tris(hydroxymethyl)methyl-2-aminoethanesulfonic acid**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₆H₁₅NO₆S**Batch Molecular Weight:** 229.25**Physical Appearance:** White solid**Solubility:** water to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****Melting Point:** At 218°C**Assay (titration):** 100.2%**pH (1% aqueous solution @ 25°C):** 4.7

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 Worldwww.tocris.com/distributors

Tel: +1 612 379 2956

Product Information

www.tocris.com**Product Name:** TES, free acid**Catalog No.:** 5891**Batch No.:** 2

CAS Number: 7365-44-8

EC Number: 230-906-3

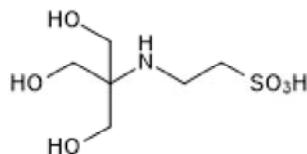
IUPAC Name: *N*-Tris(hydroxymethyl)methyl-2-aminoethanesulfonic acid**Description:**

Buffering agent. Working pH range: 6.8 - 8.2. used in a range of protein assays. Forms complexes with DNA and affects restriction enzyme kinetics.

Physical and Chemical Properties:Batch Molecular Formula: C₆H₁₅NO₆S

Batch Molecular Weight: 229.25

Physical Appearance: White solid

Minimum Purity: ≥99%**Batch Molecular Structure:****Storage:** Store at RT**Solubility & Usage Info:**

water to 100 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 Worldwww.tocris.com/distributors

Tel: +1 612 379 2956