



Technical Datasheet

DNA STANDARD SOLUTION

Catalogue No: CA-972BP-10 Pack Size: 1ml

Concentration: 1µg/ml (by PicoGreen® assay) Lot No:

Contents: Solution of human DNA containing dilution buffer which consists of 10mM Tris-HCl (pH 8.0 at 25°C), 1mM EDTA, 50µg/ml polyvinyl alcohol and 50µg/ml BSA.

Preparation: The Standard is prepared by serial dilution of a stock solution of DNA, the concentration of which was determined by measuring the optical density of a solution at both 260 and 280nm. The DNA is assumed to be 15µg/ml if the optical density is 1.0. The ratio of optical density at 260/280 is 2.0+/-0.1. The stock solution from which batches of this Standard are made is 10mg/ml and comprises purified human placental DNA previously sonicated under standard conditions to give DNA sizes in the range of 300 to 500 bp.

Properties: This solution is for use as a standard in the determination of DNA concentrations.

Quality Control: This batch of DNA Standard has been prepared in aseptic conditions in an environment that is as DNA-free as possible. It has been independently quality controlled, and because it is prepared away from the user's laboratory, there is less danger of contamination.

Storage: Store at +4°C short term (-20° long term). Product is guaranteed for 12 months from date of shipment, provided it is stored correctly and unopened.

This product is for research use only.