

Certificate of Analysis

Product Name: DNA Assay Kit

Catalog No.: Z5030023

Shipping Condition: Room Temperature

Storage Condition: Store the DNA standard at -20°C and the Reagent at 2-8°C

Shelf Life: 12 months from the date of receipt under proper storage conditions

Description

DNA quantitation is a common practice in molecular biology. Very often DNA is available in minute quantities and the traditional UV 260 nm absorbance method requires microgram quantities for reliable results. Accurate determination of DNA concentration, especially when DNA is present at low concentrations, is crucial for reproducible results in sequencing, cloning, transfection and DNA labeling.

Simple, direct and automation-ready procedures for measuring DNA concentration are very desirable. Biochain's DNA assay kit is designed to accurately measure nanogram quantities of plasmid DNA, cDNA, DNA following polymerase chain reaction and DNA eluted from gels. The improved method utilizes Hoechst dye that binds specifically with double-stranded DNA. The fluorescence intensity, measured at 450nm ($\lambda_{exc} = 350nm$), is directly proportional to the DNA concentration in the sample. The optimized formulation substantially reduces interference by substances in the raw samples.

Components

1. One Kit
2. User Manual
3. Certificate of Analysis
4. MSDS

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

