



CiS-DNA Bacterial Genomic DNA Kit Datasheet

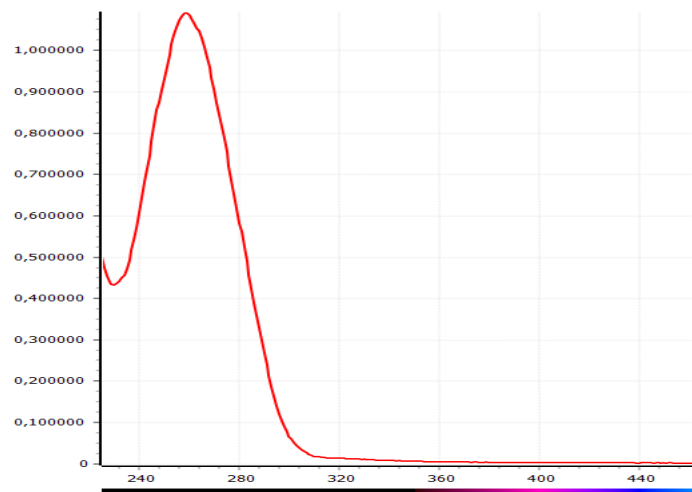
Cat DBG0116-10, DBG0116-50, DBG0116-100

CiS-DNA Bacterial Genomic DNA kit has been designed for you to prepare high-yield and intact bacterial genomic DNA from any bacteria including gram (+) species without using hazardous chemicals (phenol, chloroform, etc.). Given that there is no need for lysozyme treatment for Gram (-) bacteria species. However, you may need lysozyme treatment for Gram (+) species to increase the yield.

CiS-DNA Bacterial Genomic DNA kit can extract genomic DNA without shearing as PDB buffer has a special formula for DNA protection.

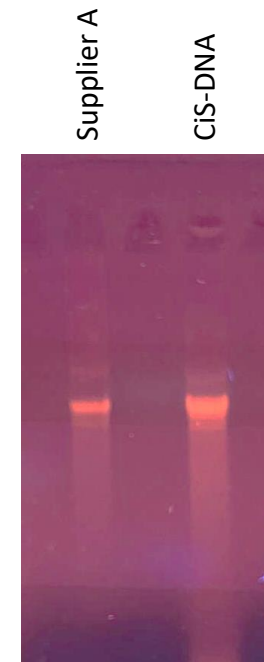
DNA extracted using CiS-DNA Bacterial Genomic DNA kit procedures is free of RNA contamination as samples are pretreated with PDB Buffer including freshly added RNase before the cell lysis step.

Reproducible and reliable DNA yields are 10-15 µg genomic DNA in 70-90 µl final eluate obtained from 3-4 ml of overnight bacterial culture.



A_{260}/A_{230} : 1.95-2.1

A_{260}/A_{280} : 1.79-1.9
(Dilution: 1:50)



Genomic DNA from *E. coli*
(0.75%, 0.5 X TBE buffer)

Caution: Please pay attention to wearing a lab coat, gloves, and protective goggles.

CiS-DNA spin-columns and buffers can be stored at room temperature for at least one year. However, lyophilized RNase A should be stored at 4 °C. After reconstitution, please keep the enzyme solution only at 4 °C and avoid to keep longer at room temperature.