



SGI - DNA XQ Service

DNA Extraction and Quantification Service

As the very base of molecular biology research, DNA Extraction is an important step since the quality of the DNA determines the success rate of the downstream molecular application i.e. PCR application, genotyping, as well as sequencing using NGS platform, and more. Apart from DNA Extraction, DNA Quantification is not less important as it can be used to determine whether the concentration and quality of the DNA meets the requirement of the downstream protocol.

SGI offers DNA Extraction Service using a wide range of commercially available kits and manual protocols developed at the SGI lab to meet the demands of your project.

DNA extraction from wide range resources such as fresh animal tissue, fresh plant tissue, fresh cell culture, whole blood, buffy coat, stool, soil, food, FFPE (slide), and water.

*) for more types of samples, please contact us.

Our cutting edge technology provides reliable measurement of DNA concentration using Nanodrop and Qubit in DNA Quantification Service.

Sample requirements

Sample Type	Minimum requirement
Fresh Cell Culture	$\geq 5 \times 10^7$ cells
Fresh Animal Tissue	≥ 5 g
Fresh Plant Tissue	≥ 5 g
Whole blood	≥ 3 ml
Buffy coat	$\geq 500 \mu\text{l}$
Stool	≥ 5 g
Soil	≥ 5 g
Food	≥ 5 g
Water (River, sewage, etc)	≥ 800 ml

Sample handling

Samples must be sent in centrifuge tubes or screw-capped tubes following the figure. Sample in tube must be sent in gel ice or dry ice.

Packing sample improperly will lead to failure in extraction experiments.



What will you get :

- Summary of DNA extraction protocols.
- Extracted DNA diluted in ddH₂O, TE Buffer, or NFW.
- *) Depends on the downstream application and customer's request
- Nanodrop concentration and DNA purity.

Additional report based on request :

- Qubit quantification.
- Gel electrophoresis.



Explore more and get our competitive price here:

+62-852-2228-5591

sgi_lab@saraswanti.com

@sgilab.id