

## Certificate of Analysis

**Product Name:** Serum DNA isolation Kit

**Catalog Number:** K5018100

**Shipping Condition:** Room temperature

### Description

The Serum DNA Isolation Kit is designed for the purification of genomic DNA fragment from serum, plasma, and bio fluid in a spin column format. No phenol-chloroform extraction, no Protease and no precipitation steps are involved. The sample addition and washing steps can be performed using compatible vacuum manifold, while the final elution of the DNA product are performed using a tabletop centrifuge. The samples are first treated in the binding buffer that contains the denaturant guanidine HCl and Triton X100. Ethanol is then added to the samples, which are then added to the filter spin columns. This step facilitates the binding of DNA to the filter matrix. Under these conditions the DNA binds to the membrane while other contaminants are washed through. The columns are then washed to further remove protein, buffer components and other contaminants using two ethanol-containing wash buffers and the final genomic DNA product is eluted in TE. The final DNA product can be used directly for quantitative PCR and other downstream applications.

### Quality Control

In accordance with BioChain's ISO-certified Quality Management System, each lot of Serum DNA isolation Kits is tested against predetermined specifications to ensure consistent product quality. .

### Kit Components

- 1 One Serum DNA Isolation Kit which contains the following reagents
- 2 One Certificate of Analysis

Item	Part #	Amount	Storage
1. Lysis Binding Buffer	K5018100-1	21 ml	RT
2. Wash Buffer 1	K5018100-2	26 ml	RT
3. Wash Buffer 2	K5018100-3	12 ml	RT
4. TE	K5018100-4	10 ml	RT
5. spin column set	K5018100-5	100 units	RT

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_

