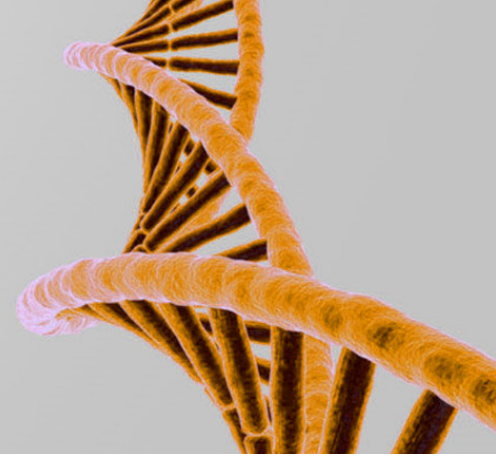


Clean Blood LV DNA Kit

MAGNETIC BEAD BASED ISOLATIONS
FROM LARGE VOLUMES OF BLOOD



Description

The Clean Blood LV DNA Kit has been designed for the isolation of high- quality DNA from up to 10 mL of whole blood or saliva samples. The isolation procedure allows for a fast and robust genomic DNA isolation of up to 24 samples in less than 2,5 hours.

By combining CleanNA's magnetic particles with our propriety buffer system, the genomic DNA is efficiently bound to our magnetic particles once the cells in the whole blood or saliva sample have been lysed. Optimized for outstanding performance in higher volumes, the CleanNA particles allow for faster separation times, resulting a shorter process and a higher yield.

Our Clean Blood LV DNA Kit's buffer system minimizes the binding of contaminants and once bound to our magnetic particles, purifies the DNA in a series of rapid washing steps. Finally, the genomic DNA is recovered from the magnetic particles using an elution buffer and is directly suitable for use in most downstream applications.

Downstream Applications

- NGS
- PCR
- RT- and qPCR
- Sanger Sequencing

Features & Benefits

- High quality DNA
- Excellent 260/280 and 260/230 ratios
- Fast and Efficient protocol
- Scalable for isolation of various sample volumes
- Adaptable to many automated liquid handling workstations on the market
- Compatible with anticoagulants such as EDTA, Citrate and Heparin

Ordering Information

Catalog #	Product Description	Preps
CBLV-D0024	Clean Blood LV DNA Kit	24
CBLV-D0096	Clean Blood LV DNA Kit	96



Coenecoop 75
2741 PH Waddinxveen
The Netherlands

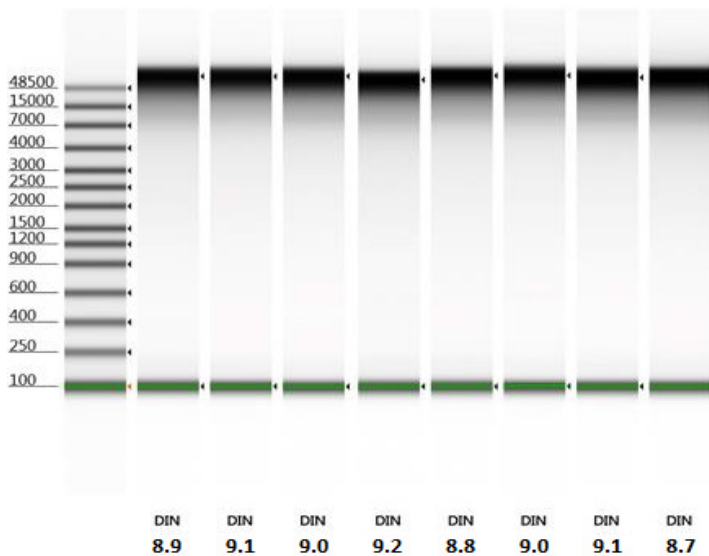
+31 (0) 182 22 33 50
+31(0) 182 22 33 98

info@cleanna.com
www.cleanna.com

Blood volume [mL]	Elution volume [mL] Elution	Concentration [ng/ μ L]	OD 260/280	Yield [μ g]
5	1	241.8	1.85	241.8
5	1	253.1	1.83	253.1
5	1	232.7	1.84	232.7
10	2	270.6	1.84	541.2
10	2	268.6	1.83	537.1
10	2	271.9	1.84	543.8

DNA yield and quality

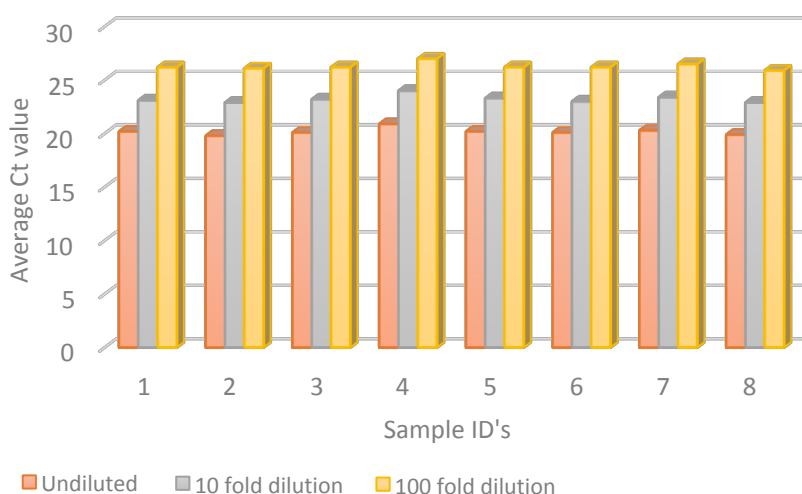
Human genomic DNA has been isolated from 5 and 10 mL whole blood samples (EDTA). The DNA was eluted in 1 and 2 mL volume using CleanNA's elution buffer (10 mM Tris-HCl; pH 8.0). Both yield and purity have been determined using the Denovix DS-11 spectrophotometer.



Clean Blood LV DNA Kit provides high molecular weight DNA

Human Genomic DNA has been isolated from a total of 8 samples, 10 mL of whole Blood (EDTA) using the Dynamic Devices LYNX 900. Isolated genomic DNA was analyzed using the Agilent TapeStation.

Real-Time PCR inhibition data



Inhibitor free DNA isolation using the Clean Blood LV DNA Kit

8 whole blood samples were used for isolation of human genomic DNA using the Clean Blood LV DNA Kit. A real-time PCR was performed in triplo on a 1x, 10-fold and 100-fold dilution of each isolated DNA sample, using human-specific PCR primers. The real-time PCR results show no inhibition occurred while using the Clean Blood LV DNA Kit isolated DNA as template.