## Introducing Nucleon DNA extraction kit: for faster and safer extraction of DNA / from Scotlab.

#### **Contributors**

Scotlab (Firm)

#### **Publication/Creation**

Coatbridge: Scotlab, [1993]

#### **Persistent URL**

https://wellcomecollection.org/works/at9qk9kc

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for FASTER
and SAFER
extraction
of DNA

nucl@on"

DNA

extraction

KIT

PATENT APPLIED FOR



first FOR MOLECULAR BIOLOGY

- Rapid DNA indiction (few than 2 hours)
  Eliminate phranel extractions
  Exceptional yields of DNA
  No Processional K-digentions
  Extracted DNA is suitable for PCR or RFLP
  Extracted DNA is suitable for PCR or RFLP
  Highest parity: UV 240/280 me ratios greater than 1.8
  Specially designed microrook insert optimizes species (-1.5ml).
  Suitable for both small and large sample volumes (0.8fml 30ml)

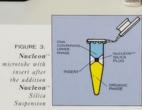
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### DNA extraction KIT FOR SMALL SAMPLES

FOR SMALL SAMPLES
(0.06-1.50 ml WHOLE BLOOD)
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for FASTER and SAFER preparation of genomic DNA from whole blood and animal cell

cultures

THE NUCLEON\*\* DINA DYNACTION SYSTEM HAS BEEN DEVELOPED FOR THE AWAY AND EFFICIENT SOCIATION OF DINA FROM COMPILES SAMPLES SUCH AS WRIGHT BROAD OR ANNAL CELL COLLEGES. THE DINA SECONDERS HAVE WISED AT LEAST TWO THAT SHEED BY CONVENIENCE, PHANDLY DEVELOPED HAS THE AND A RECOVERED THE WISED AT LEAST FOR THAT SHEED BY CONVENIENCE, PHANDLY DEVELOPS HAD THE SHEET ON HIS WISE WISED IT IN DECISION OF DIVINE AND SHEET OF THE S

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WINDER DIVA.

THE **NUCLEON<sup>TM</sup>** SLICA DOES NOT INTERACT WITH, OR BIND
TO, THE DNA WHOM MINIMISES THE POTENTIAL HAZARD OF SHEARING
OR PHYSICAL BREAKING OF THE DNA STRANDS DURING PELLETING
PROCEDURES.

FOR RESEARCH USE ONLY

NUCLEON\*\* | for SMALL VOLUMES 40 preparations (0.05ml-1.5ml) CAT.No. SL-8501 £89.95 NUCLEON™ II for LARGE VOLUMES ap to 50 preparations (5.0ml-30ml) CAT No. SL-8502 £79.95

THEF 1.5m MICHOTUBES 1000, natural CAI.No. SL-7001 £27.60

BIORACK reversible rack for 0.5 and 1.5ml microtubes CAI No. SL-5010 £22

ECONORACK for 52:1.5ml microtubes CAI.No. SL-5010 £22

SCOTLAB MICHOCENTRUM centrifuge for 1.5ml microtubes CAI.No. SL-9020 £796.00

Principal steps in a typical Nucleon™ protocol

Cell Lysis



RNAase Digestion



Sodium Perchlorate



Chloroform treatment



Nucleon<sup>™</sup> suspension addition



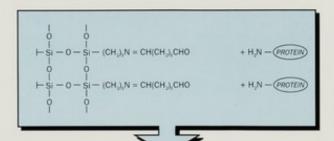
DNA recovery (see illustration 1)



**DNA** washing

FIGURE 2.

Mechanism of Nucleon™ Silica protein binding



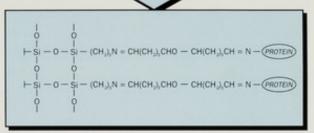
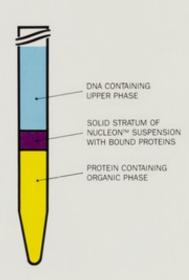


ILLUSTRATION 1.

Tube after
the addition
of Nucleon™
Silica suspension
prior to DNA
recovery





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