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## DNA Concentrator Kit

(Catalog # P-1006) 

The DNA Concentrator Kit uses a unique procedure and composition to efficiently concentrate DNA from various DNA samples with low concentration of DNA including those from microdissection samples and paraffin-embedded tissues. The kit has the following features:

- The fastest procedure available (< 2 minutes).
- Concentrated DNA is Ultra-pure with efficient removal of contaminants (salts, proteins, enzymes, nucleotides and primers).
- Use of user-friendly binding solution and no chaotropic or other irritant reagents.

### Kit Contents

	50 samples P-1006-1	100 samples P-1006-2
C1 (binding buffer):	30 ml	2 x 30 ml
C2 (wash buffer):	2.5 ml	2 x 2.5 ml
C3 (DNA elution solution)	1 ml	2 ml
F-spin Column:	50	100
F-collection tube:	50	100
Instructions	1	1

### Storage

The Kit can be stored at room temperature (15-22°C) for 1 year.

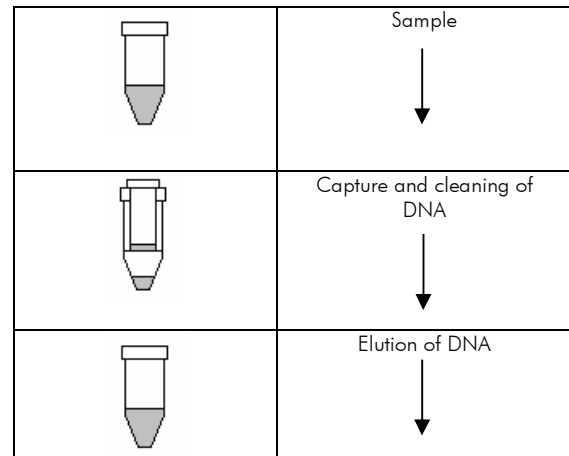
## Protocol

Before starting, add 20 ml of 100% ethanol to K2 to make final wash buffer.

1. Add 2 volumes of C1 to each volume of the DNA sample, mix well. For example, add 200  $\mu$ l of C1 to 100  $\mu$ l of DNA sample. If required volume is less than 100  $\mu$ l, add 100  $\mu$ l of C1.
2. Transfer mixture to the column. Centrifuge at 12,000 rpm for 15 sec. Discard the flowthrough. Replace the column to the collection tube (*Note: maximum volume of the column is 600  $\mu$ l.*)
3. Add 200  $\mu$ l of C2 (final wash buffer) to the column and centrifuge at 12,000 rpm for 15 sec. Discard the flowthrough and replace the column to the collection tube. Add 200  $\mu$ l of C2 to the column and centrifuge at 12,000 rpm for 30 sec.
4. Put the column in a new 1.5 ml vial. Add 5-8  $\mu$ l of C3 to the column, centrifuge at 12,000 rpm for 20 sec to elute DNA.

DNA is now ready for use or storage at -20°C.

## Schematic Procedure for Using the DNA Concentrator Kit



## Product Use Information

The kit is very suitable for concentrating DNA from various DNA samples, especially from those with low concentration of DNA such as microdissection samples, paraffin-embedded tissues, restriction enzyme digestions, PCR reactions, and home-made minipreps.

DNA size is from 70 bp to 20 kb; DNA quantity from 0.1 ng to 2  $\mu$ g, optimal at between 1 ng and 1  $\mu$ g.

Concentrated DNA is high pure and ready for direct use in PCR or other down stream DNA manipulations such as ligation/transformation, sequencing, restriction digestion, microarray analysis, labeling, microinjection, and *in vitro* transcription.

The kit is for research use only and is not intended for diagnostic or therapeutic application.

## Ordering Information

Products	Size	Cat. No.
DNA Concentrator Kit	50 samples	P-1006-1
	100 samples	P-1006-2
Available Related Products	Size	Cat. No.
<i>TuMinute</i> <sup>TM</sup> PCR Clean-Up Kit	50 samples	P-1005-1
	100 samples	P-1005-2