

# DNAstable

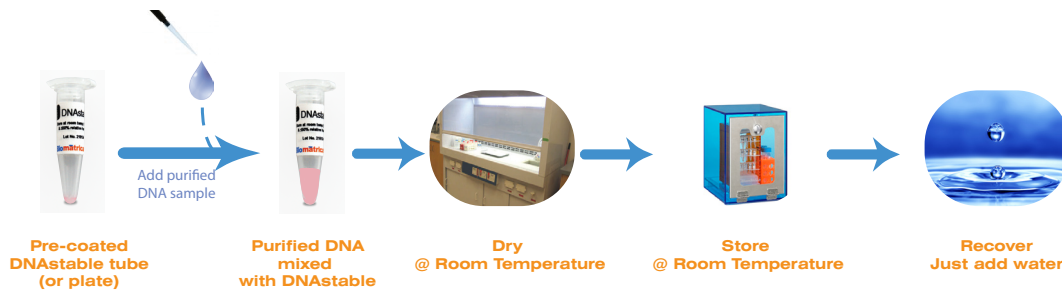
## STABILIZE DNA.

**Preserve and store purified DNA at room temperature with DNAstable®**

DNAstable enables long term storage of purified plasmid or genomic DNA at room temperature. DNA recovery is as simple as adding water.

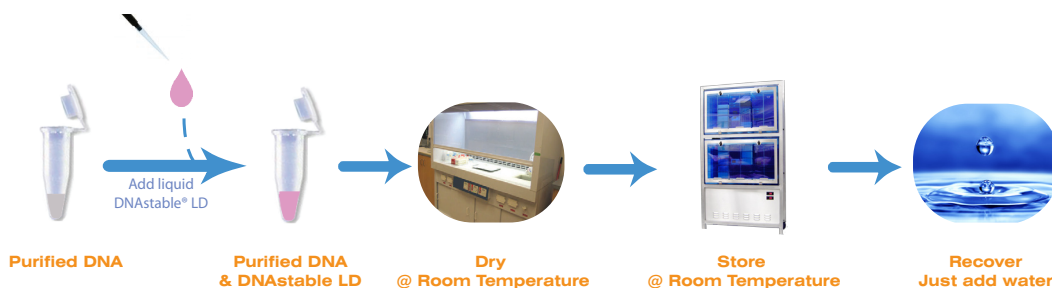
**DNAstable is available in two formats:**

- Pre-dried in tubes or plates



Convenient and ready to use, in different formats (tubes, 96-well plates, 96-tube-plates and custom)

- Liquid to Dry (LD) storage format (custom product)



This format allows researchers to incorporate DNAstable LD into any workflow. It is optimal for high-throughput sample processing (contact Biomātrica for further information about this custom product).

**Recovered samples are compatible with downstream applications**

- PCR, qPCR, Sequencing, STR analysis, Whole Genome Amplification, Restriction Analysis
- Transformation and Cloning
- Array technologies such as Affymetrix® or Illumina® platforms.

**Secure your DNA at room temperature.**

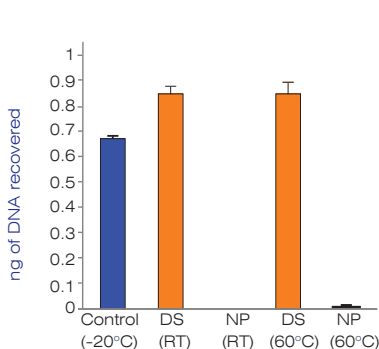
**Reduce storage space and cost.**

**Ideal for storage of large biobank sample collections.**

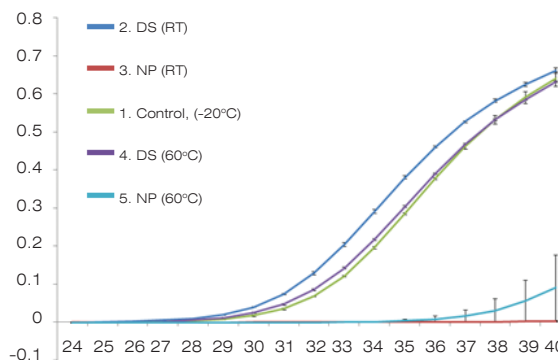
**Safe and economical storage of forensic samples**

## DNASTable provides long-term storage of genomic DNA.

DNA samples stored in DNASTable at room temperature for **26 months** and then recovered and amplified by qPCR showed equivalent protection when compared against freezer-stored samples (-20°C, control). Additionally, long-term stability studies performed under accelerated aging conditions demonstrate the **equivalence of 30 years of protection and storage at room temperature.**



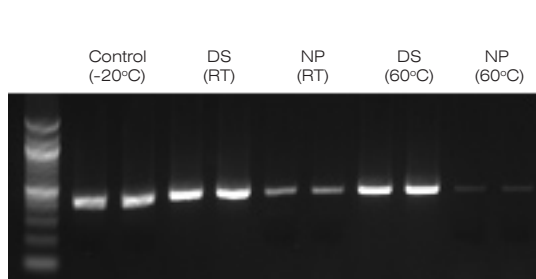
ABOVE Genomic DNA samples were stored for 26 months in a number of conditions, recovered and compared. From left to right: Control -20°C; Stored in DNASTable (DS) at room temperature (RT); Unprotected (NP) at room temperature; Stored in DNASTable (DS) for the equivalent of 30 years at room temperature (exposed to accelerated aging conditions at 60°C); 5) Unprotected (NP) and stored for the equivalent of 30 years at room temperature (exposed to accelerated aging conditions at 60°C).



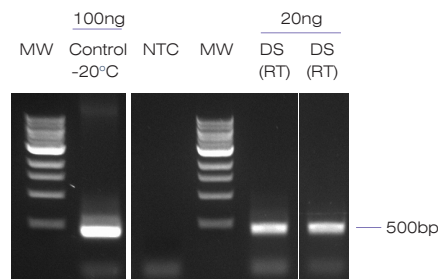
ABOVE qPCR traces of experiments, described on left, with standard deviation displayed.

## Successful PCR reaction after long-term storage in DNASTable

The protective properties of DNASTable allows for the recovery of viable DNA after **3.5 years of storage** at room temperature when compared against freezer-stored sample at -20°C. Long-term stability studies performed under accelerated aging conditions indicate the protection of DNA at room temperature for **~ 30 years.**



ABOVE Aliquots (1 ng) of pDNA, either stored in DNASTable (DS) or unprotected (NP) for **26 months** at ambient temperature (RT) or at 60°C under accelerated aging conditions (equivalent to 30 years of room temperature storage) were analyzed by PCR amplification using pUC19 specific primers generating a 490 bp amplicon. Reference DNA samples (1 ng) were stored at -20°C (control).



ABOVE Two different aliquots (20ng) of gDNA stored in DNASTable (DS) at room temperature without humidity control for **3.5 years** were analyzed by PCR amplification using beta-actin specific primers generating a 500bp amplicon. Reference DNA sample (100ng) was stored at -20°C. Samples were kindly provided by Steven Guroff, San Diego Sheriff's Department.

PRODUCT	CATALOG NO.	CONTAINS
DNASTable Tube Kit	93021-001	(25) DNASTable tubes, 1 resealable sample pouch
DNASTable 96-well Plate	90021-001	(1) DNASTable 96-well plate, 1 foil seal, 1 resealable sample pouch
DNASTable 96-tube Plate (Micronic)	94031-001	(96) DNASTable alphanumeric tubes in 96-well holding rack, 96 seals
DNASTable 96-tube Plate (Matrix)	90031-006	(96) DNASTable alphanumeric tubes in 96-well holding rack, 96 seals
Custom Formats	NA	DNASTable or DNASTable LD

Other formats are also available (384-well plate, 2D barcoded tube plates for Micronic and Matrix).

**To order, please call 866-379-6879 or visit [www.biomatrica.com](http://www.biomatrica.com)**