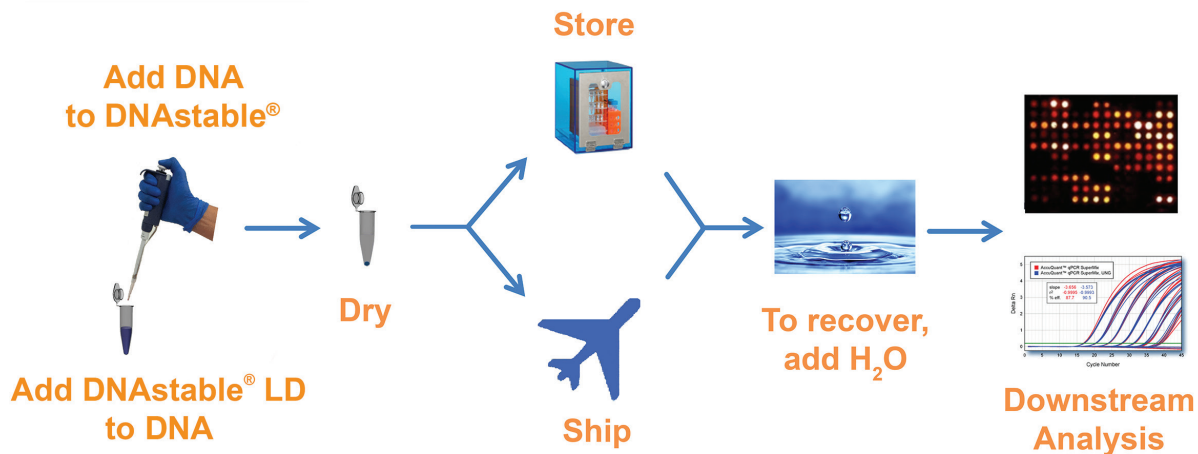


DNAstable

Ambient temperature DNA stabilizer

- **Preserves** purified DNA at ambient temperature for decades
- **Eliminates** the need to ship with dry ice
- **Recover** stabilized DNA samples by simply adding water
- **Analyze** DNA in downstream applications without additional purification

Dry Format



Liquid Format

DNAstable allows you to store your DNA for up to **30 years*** at room temperature

**Based on accelerated aging studies; 3.5 years based on "real-time" studies*

Recovered DNA is 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.

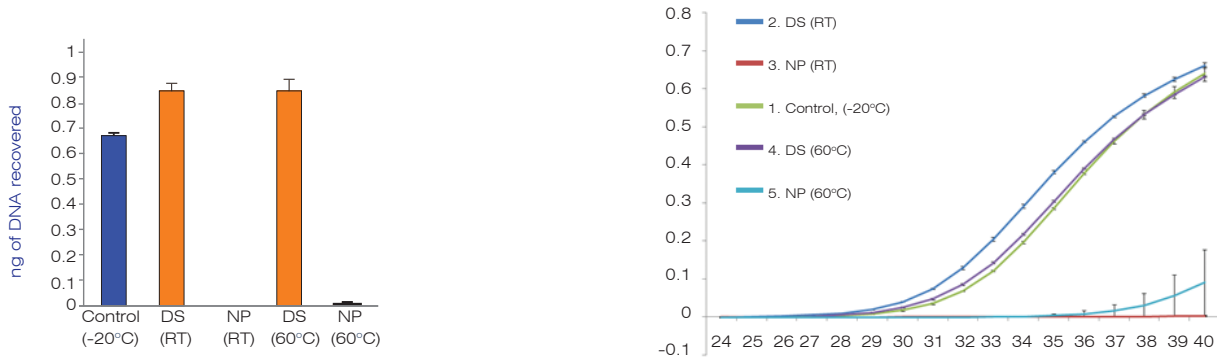
Reduce storage space and cost.

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 Alphanumeric Tube Plate (Matrix)	90031-006	(1) 96 tubes (0.75ml) in 96-well footprint
DNASTable 2D Barcode Tube Plate (Matrix)	90041-006	(1) 96 tubes (0.5ml) in 96-well footprint
DNASTable LD, 2 ml	53001-066	(1) 2 ml screw cap vial of DNASTable LD
DNASTable LD, 10 ml	52001-026	(1) 10 ml screw cap bottle of DNASTable LD
DNASTable LD, 50 ml	52091-036	(1) 50 ml screw cap bottle of DNASTable LD



Other formats are also available (384-well plates and Nova Biostorage tube plates).

To order, please call 866-379-6879 or visit www.biomatrica.com