DNA stable Plus

Biomatrica
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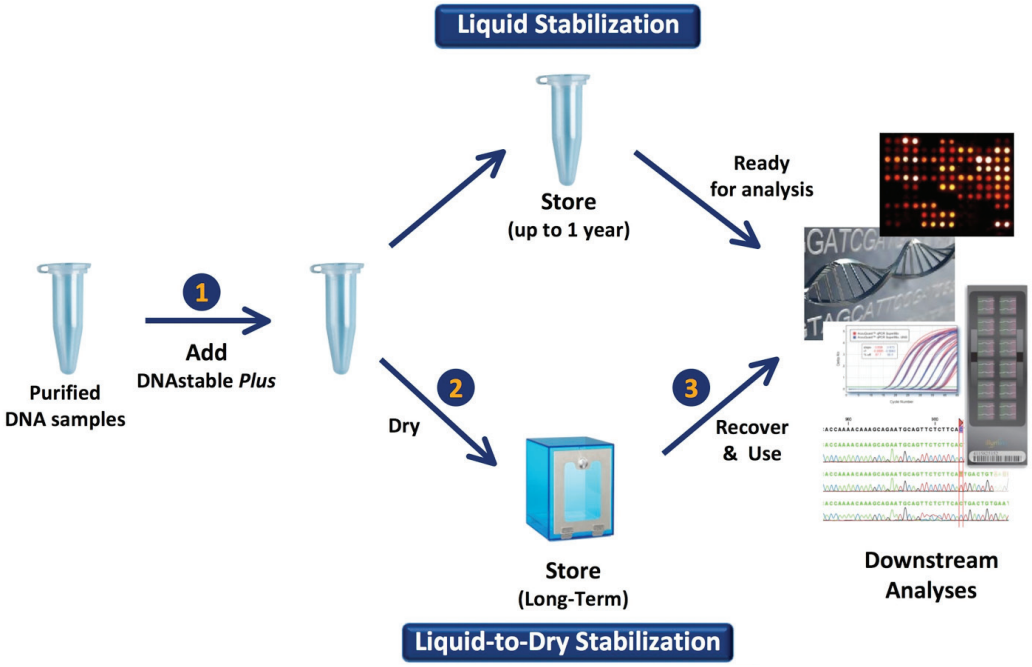
DNAstable *Plus*

STABILIZE DNA.

Protect, Preserve and Process purified DNA at ambient temperature in liquid and dry formats.

DNAstable *Plus* enables both short term and long term storage of purified plasmid or genomic DNA at room temperature. DNA recovery is as simple as just adding water for dried samples. Use directly for downstream analysis in liquid format.



DNAstable *Plus* offers **1 year*** of protection in liquid format and at least to **15 years*** of protection in Liquid-to-Dry (LD) format.

**Based on accelerated aging studies.*

**Plasmids (6 months) and Genomic DNA (1 year) in liquid format.*

Recovered samples are compatible with downstream applications

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

Secure DNA samples at ambient temperature.

Reduce storage space and cost.

Automation friendly liquid reagent.

Ideal for storage of large DNA sample collection

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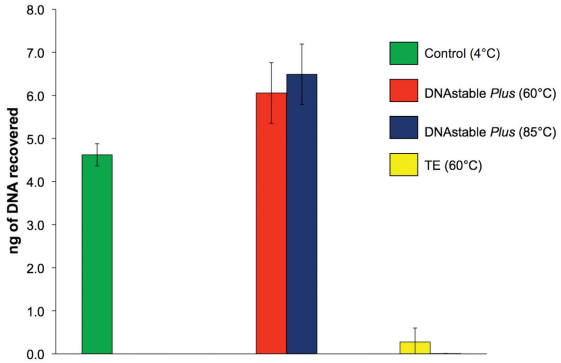
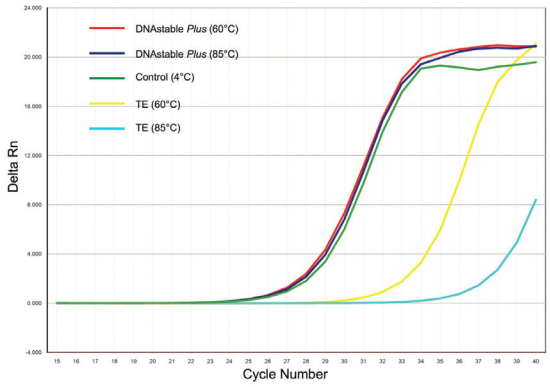
Successful PCR reaction after long-term storage in DNAstable *Plus*.

The protective properties of DNAstable ***Plus*** allows for the recovery of viable DNA even under stressed conditions such as 85°C in dry samples. Using qPCR demonstrated below is the successful amplification of DNA samples protected with DNAstable ***Plus*** compared to unprotected samples stored in TE.



ABOVE Human genomic DNA samples were stored, recovered and compared for 6 months in a number of conditions. From left to right: Control 4°C; in DNAstable *Plus* at 60°C; in DNAstable *Plus* at 85°C; unprotected (TE) at 60°C; and unprotected (TE) at 85°C (no DNA recovered). The control was a liquid whereas all other samples were recovered from a dried sample.



ABOVE qPCR traces of DNA recovery experiments, described on left. Representative traces from triplicate samples are shown.

Features

- Long-term stabilization and preservation of high quality DNA at room temperature.
- Liquid option fits within automation and sample handling workflows.
- Avoid repeated freeze thaws.
- Recover high amounts of DNA and analyze instantly without the need for further purification.
- Compatible with many downstream applications, e.g., PCR, RT-PCR, SNP analysis, DNA sequencing, etc.

Benefits

- Cost-effective compared to cold-storage
- Workflow automation-enabled
- High sample quality
- Eco-friendly solution to freezer crawl and lab space management

Stability in Liquid Format:

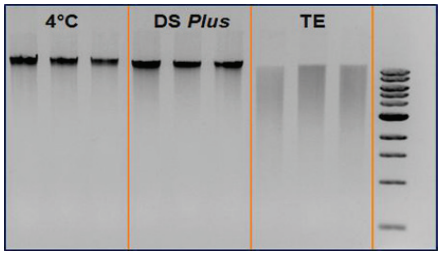


FIGURE 1: The gel image above shows protection of DNA samples stored in DNAstable *Plus* (conc: 50 ng/ul) for **6 months at 45°C** in liquid format, compared to unprotected samples (TE; no visible bands). The positive controls are samples stored at 4°C.

Stability in Liquid-to-Dry (LD) Format:

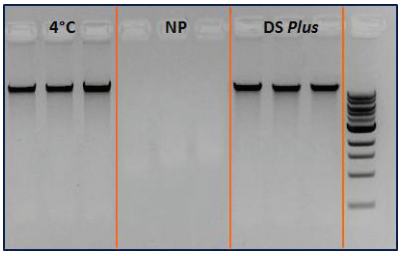


FIGURE 2: The gel image above shows protection of DNA samples stored in DNAstable *Plus* (conc: 50 ng/ul) for **6 months at 85°C** in liquid-to-dry format compared to unprotected samples (NP; no visible bands). The positive controls are samples stored at 4°C.

PRODUCT	CATALOG NO.	CONTAINS
DNAstable *Plus* 2ml	53091-016	(1) 2ml DNAstable *Plus* liquid reagent for stabilization of DNA in liquid and Liquid-to-Dry (LD) format. Also enclosed is a quick reference protocol.
DNAstable *Plus* 10ml	52091-026	(1) 10ml DNAstable *Plus* liquid reagent for stabilization of DNA in liquid and Liquid-to-Dry (LD) format. Also enclosed is a quick reference protocol.

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

Rev. RP20APR2012