

Bode Armor™

ENHANCED SAMPLE STABILITY



Bode Armor Helps Prevent Sample Degradation

Bode Armor™ is a reagent applied to the Bode Buccal DNA Collector and the Bode Buccal 2 devices that enhances DNA stability during long-term storage of collected samples. The reagent helps protect against common factors leading to sample degradation such as:

- Temperature and humidity
- Enzymes (DNase)
- Bacteria

Simulated Long-Term Study Yields Strong Results¹

In a controlled internal study with accelerated sample aging to a simulated 30 years of storage, samples treated with Bode Armor showed significantly less sample degradation.

Table 1: DNA preservation study of samples stored for 56°C for 2.8 years

Sample Age	Storage Temperature	Humidity Level	Average Small Autosomal Target (ng/ul)	Average Large Autosomal Target (ng/ul)	Average Degradation Index Value*
2.8 years	Room Temperature (22°-25° C)	Ambient (uncontrolled)	7.29	8.53	0.87
Simulated ~30 years	56° C	<10%	2.64	0.81	3.78

*The degradation index is calculated by evaluating the small and large autosomal targets in the profile. This value is calculated using the quantification chemistry and software.

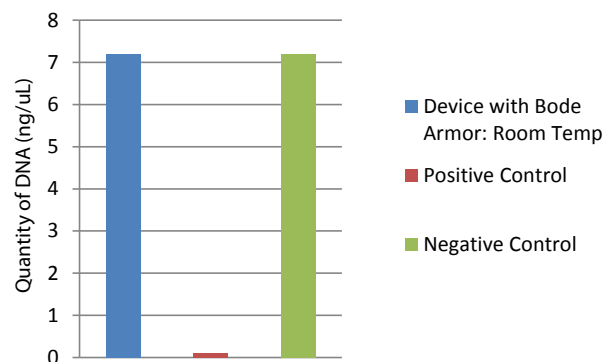
- Degradation Index 1: Little to no degradation
- Degradation Index 2-4: Some degradation has occurred
- Degradation Index 5+: Sample is degrading

Sample Protection from Enzymes and Bacteria

Bode Armor inhibits DNases (including DNase I) preventing sample loss due to enzymatic activity. In a controlled study, a standard DNase procedure was performed on samples with and without Bode Armor present. The samples without Bode Armor (Positive Controls) showed significant breakdown while the samples protected by Bode Armor displayed nearly identical results to the Negative Controls (no DNase present).

Additionally, Bode Armor helps prevent bacterial growth that could lead to the breakdown of stored samples.

Effect of Bode Armor on DNase¹



Compatible with Manual and Direct Amplification Processes

Bode Armor is compatible with direct amplification methods and manual extraction processing on most commercially available kits.

Contact a Bode Cellmark representative with sample requests or questions at 866-263-3443 or 703-646-9740 or BTBodeService@LabCorp.com.

www.bodecellmark.com

1. Internal data, Bode Cellmark Forensics, Inc.