

DNA Liv™

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
DNA Liv™	ML246-100ML	100 ml
	ML246-250ML	250 ml

Intended Use

Recommended for isolation of DNA from clinical samples such as tissues, cells, swabs, stool, blood and other biological fluids.

Introduction:

DNA Liv™ stabilizes and protects DNA in biological samples such as cells, tissues, blood, biological liquids, stool, etc. which eliminates the need of immediate processing or to freeze samples in liquid nitrogen for later processing. It is a single reagent that immediately inactivates DNases and stabilizes DNA within tissues or cells.

NOTE: DNA Liv™ stabilizes DNA for up to 3 days at 37°C, for up to 30 days at 4°C - 25°C or at -20°C (>1 year).

Application:

DNA Liv™ is ideal for:

- Protecting DNA integrity in tissues rich in RNases
- Collecting samples from different time points without having to process the samples from each time point immediately
- Archiving tissues for future microdissection
- Submerging animal cavities or organs to stabilize DNA during lengthy dissection procedures
- Collecting samples at locations (e.g. hospitals, field sites) where immediate DNA isolation is not possible
- Shipping samples on wet ice or even at room temperature if shipped overnight

Properties:

Appearance : Colorless solution

Clarity : Clear and free of particles

DNase & RNase : None detected

Suitability Test : This reagent has been tested and is suitable for stabilization of DNA in biological samples.

Please refer disclaimer Overleaf.

Storage conditions:

Store DNA Liv™ solution at room temperature (15-25°C) and is stable for 12 months from the date of manufacture. Storage of DNA Liv™ Reagent at lower temperatures may cause precipitation prior to use, preheat the reagent to 37°C with agitation, till the precipitate dissolves.

Specimen Handling and Collection

Collect samples in a sterile container. Store the samples at 2-8°C for short term storage or -20°C for long term storage. Ensure that the samples are at room temperature (15-25°C) before beginning the protocol. After use, contaminated material must be sterilized by autoclaving before discarding.

Types of Specimen

Clinical samples: cells, tissues, blood, biological liquids, stool etc.

Procedure:

1. To a collection tube (Nuclease free), add appropriate volume of DNA Liv™. For e.g. add 100 µl of DNA Liv™ for 10 mg of tissue.

Table 1. Sample Weights and Amount of DNA Liv™ Reagent to be added

Samples	Minimum amount of DNA Liv™ Reagent (ml)
Tissues, Cells, swabs, stool etc..	For 10mg of sample, add 100 µl of DNA Liv™. Sample quantity should not exceed 10% (v/v)
Blood and other biological liquid samples	Mix an equal volume reagent and sample.

For Transportation: While transporting samples (Tissues, cells, swabs, stool) in DNA Liv™ reagent, ensure that the samples are always remain submerged in the reagent. Either keep the tubes upright during transport or fill the tubes completely with DNA Liv™ Reagent.

2. **After Storage, extract DNA using HiMedia's HiPurA® DNA Purification Kits**

Warning and Precautions

Not for Medicinal Use. Read the procedure carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Limitations

1. The yield of DNA depends upon the type and the volume of starting material used.

Performance and Evaluation

Performance of the solution is expected when the solution is used as per the protocol mentioned in the product insert within the expiry period when stored at recommended temperature.

Quality Control

Type of Samples	DNA Purity
Tissue	1.7-1.8
Blood	1.7-1.8
Cells	1.7-1.8
Swabs	1.7-1.8
Stool	1.7-1.8

Safety Information

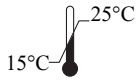
The DNA Liv™ contains irritants. Take appropriate laboratory safety measures and wear gloves when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed off in accordance with current laboratory techniques.

Technical Assistance

At HiMedia, we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail to mb@himedialabs.com.



Storage temperature



Do not use if package is damaged



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Disclaimer :

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