WATSON BIO LAB —— User Instruction

Preservation Plate (DNA, RNA, oligonucleotide etc.)

For compact storage of nucleic acid.

Product name	Preservation Plate (nylon)
Cat. No.	176-202C
Plate dimension	76.0×26.0×2.5mm
Sample cell	1 sample cells / plate
Paper chip absorption volume	200uL / chip (in case of aqueous solution)
Max. sample content per chip	40uL / chip (in case of nucleic acid)
Elution ratio	Approx. 90% (in case of oligonucleotide)
Preservation temperature	25℃≦ (Freezing is recommended for long period preservation.)
Accessory	User Instruction

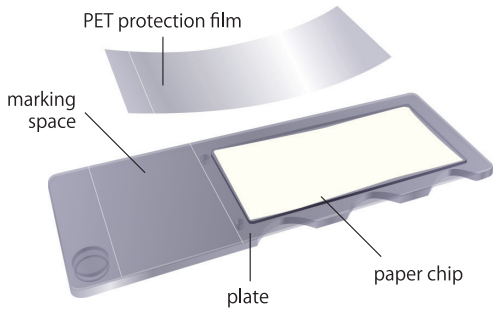
* Read this user instruction carefully before use, and keep it reachable.
* Preservation Plate has been developed from the study reslut of MEXT's Intellectual Cluster Formation Project <Tokushima Region Noji group (The University of Tokushima)>.

Precautions

- Do not use this product for other purposes than study.
- Wear gloves and a mask when using this product.
- This product is a disposable. Do not use more than once.
- Do not autoclave this product.
- Keep this product away from high temperature and/or high humidity after it is unpackaged.
- Keep a sample that is sealed in this product away from light, dusts or high humidity condition.
- Preservation life may vary depending on purity or other storage conditions of the sample. High purity nucleic acid is not resoluble in dry condition.
- Conduct half-life test to assess preservation life.
  [half–life：t(1/2)=ln2/{ln(100)-ln(survival ratio after 1 month)}]

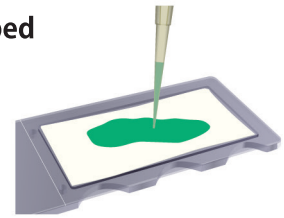
Preservation of Samples

①Check a protection film and a plate in the package.



②Get your sample absorbed into paper chips.

Up to max. 200μL can be pipetted.

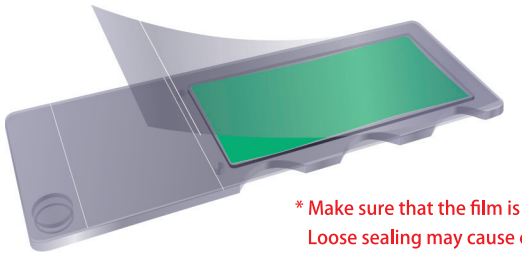


③Dry in room temperature.

Dry the sample for at least 1 hour. Reduced pressure drying is recommended.
Keep it under 50℃ when heat drying in order to prevent devices from deteriorating.
Make sure a sample to be preserved has resistance to the heat.

*Insufficient drying may result in faulty performance.

④Seal with PET protection film.

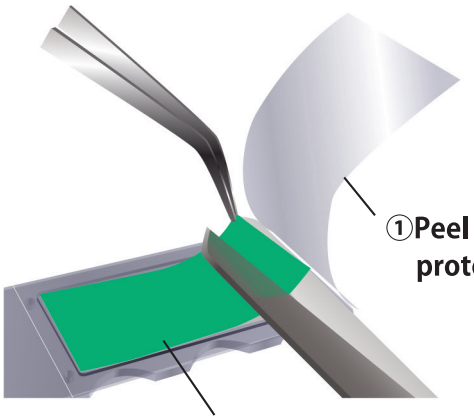


* Make sure that the film is tightly applied.
Loose sealing may cause contamination.

⑤How to preserve

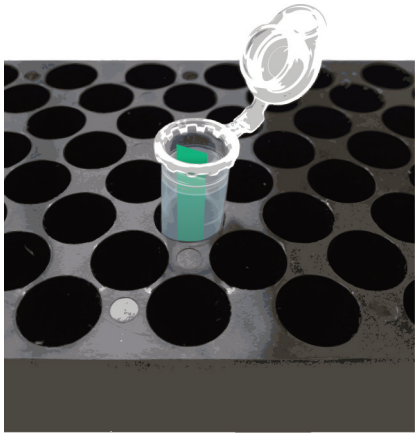
Avoid high temperatue, high humidity, strong lights for preservation.
It is recommended to store the plate in a cool dark place with desiccants.
High purity nucleic acid not contaminated by resolving enzyme etc. can be stored under room temperature.
Freezing is not recommended because of such risks as contamination off sample by dew condensation, or deterioration of sample by freezing and melting.
Do not store under temperature less than -40 ℃ as it may deteriorate and damage devices.
Concduct half-life test as preservation time varies depending on sample's type, purity and environment.

Extraction of Samples



①Peel a PET protection film.

②Peel off the paper chip, cut it into the required size and put it into a tube.



③Elute by adding eluent and mixing.

In case of nucleotide, approx. 90% can be eluted in 3 minutes.
Paper chips can be directly put into a container,
without the step to elute a sample if it is used as primer or probe.

Something Different.
WATSON BIO LAB
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