



# PROTAMINE SULFATE COATED ELISA PLATE

Catalog No. NM-MA-P001 NM-MA-P002 NM-MA-P003

This product is a Protamine sulfate coated 96 well plate. Protamine sulfate is a small cationic protein that binds to negatively charged DNA. Protamine sulfate coated wells capture sample DNA more efficiently; a critical step in the accurate and reproducible determination of DNA damage detection by ELISA.

## Specifications

Catalog No.	Description	Quantity
NM-MA-P001	PROTAMINE SULFATE COATED ELISA PLATE 96	1 plate
NM-MA-P002	PROTAMINE SULFATE COATED ELISA PLATE 96 x 5 ( NM-MA-P001 : 5 pates)	5 x 1 plate
NM-MA-P003	PROTAMINE SULFATE COATED ELISA PLATE 96x10 ( NM-MA-P001 : 10 pates)	10 x 1 plate

## Product Information

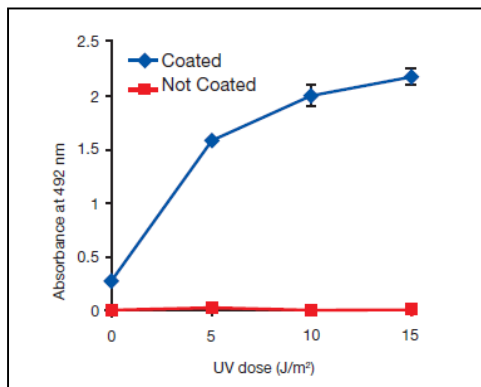
- Useful for binding non-damaged DNA samples or damaged DNA samples to the plate.
- High binding capacity of DNA samples regardless of denatured form or not.
- Steady binding of a small amount of DNA (- 5 ng/well).
- The plate holding DNA samples should be used for assay within a week.

## Example of method

- 1) Add 50 uL of sample DNA solutions in PBS to each well of the plate and dry completely overnight at 37 °C.
- 2) Wash each well 5 times with 150 uL of Wash Buffer.
- 3) After blocking the each well, you can add primary antibodies you want.

\*PROTAMINE SULFATE COATED ELISA PLATES have worked well in ELISA using the following antibodies.  
Anti-CPDs(Cat#:NM-DND-001), Anti-6-4PPs(Cat#:NM-DND-002), Anti-DewarPPs (Cat#: NM-DND-003)

## Results



### Protamine coating increases DNA-binding

UV- or mock-irradiated DNA (20 ng) was added to plates either coated, or not coated, with protamine sulfate. CPDs were then detected by ELISA using TDM-2 antibody. Protamine sulfate coated wells produced strong dose-dependent CPD signals whereas non-coated wells produced very poor signals.

## Notes

- (1) Protect from the light.
- (2) Store at room temperature in the dark.
- (3) The unopened product is stable for 1 year from the shipping date.

For research use only, Not for diagnostic use..



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