TOYOBO BIOCHEMICAL PRODUCTS (Diagnostic Reagent Grade)

NEO PROTEIN SAVER from Silk Protein





Neo Protein Saver is useful for stabilizing enzymes and conjugated antibodies.	(Fig.1, 2)
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 $(*^{1} \le 9 \times 10^{-4} U/mg, *^{2} \le 4 \times 10^{-2} U/mg, *^{3} \le 5 \times 10^{-1} U/mg)$





Fig.1. NPS-BSA Comparison:

Stabilizing Efficiency 1 (Liquid form Enzyme) Remaining activity for Peroxidase(5U/ml PEO-302) in 50mM PIPES-NaOH solution after 60days at 25°C or 14days at 50°C



Fig.3. Stability (Powder form)

Stability of NPS after 6 or 12 months, measured by stabilizing efficiency for Peroxidase at the same condition with Fig.1. after 14 days at 50°C NPS were kept under dry conditions.



Fig.2. NPS-BSA Comparison:

Stabilizing Efficiency 2 (Powder form Enzyme) Remaining activity for Choresterol oxidase(COO-321 containing K-phosphate buffer) after 14days at 50°C *Equivalent amount of NPS-301 or BSA are added on enzyme protein

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