Antibody-HRP Stabilizer

Catalog No: DAHS-001

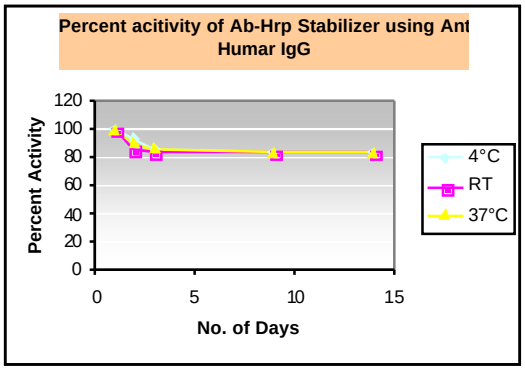
STABLE, CONSITENT AND AFFORDABLE PRICE

Our Antibody HRP stabilizer significantly increases the shelf life of HRP conjugated to Antibodies by retaining the conformation of the enzyme as well as the antibodies also. It also offers increased sensitivity of the immunoassay by improving the signal to noise ratio. Stability of our Ab-HRP stabilizer remains unaffected during shipping as well. We manufacture our stabilizer to ensure quality, lot to lot consistency, and traceability to help you get best of the results.

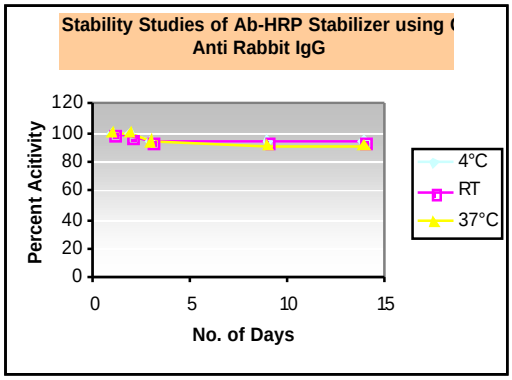
STABILITY DATA

Stability of Ab-HRP Stabilizer was verified by doing Accelerated Stability studies using two different monoclonal antibody-HRP conjugates by ELISA. Stabilizers containing Anti Human IgG-HRP (Graph 1) and Gt Anti Rabbit IgG-HRP (Graph 2) were stored at 4°C, Room temperature and 37°C.The antibody and enzyme activity were tested by ELISA and percent activity was determined by comparing activity of the stabilizer from the day the stabilizer was prepared to the end date of the studies. Results indicated retained percent activity of both the conjugates in the stabilizer from start date to end date.

Graph 1



Graph 2



PROCEDURE

- Anti Human IgG-HRP (1mg/ml) was diluted upto 1/50,000 and Gt Anti Rabbit IgG-HRP (1mg/ml) was diluted 1/20,000 in Ab-HRP stabilizer.
- Each of the conjugates was divided in three different tubes and was stored at 4°C, Room Temperature and 37°C.
- ELISA tests were performed on all the samples using antigen coated wells.
- Add 100 ul of each of the sample in the antigen coated wells and incubate for 30 min at 37°C.
- Wash the wells 5 times with Distilled water to remove any excess conjugate left in the wells.

- Add 100 ul of HRP Substrate to each of these wells and incubate for 20 min at RT.
- Add 500 ul of Stop Solution and take the OD at 450 nm using ELISA plate reader.
- Calculate % activity of each conjugate relative to the reference conjugate.
- Repeat the assay at various time intervals to check antibody and enzyme activity at various temperatures.

RESULT

Based upon the results of the accelerated stability studies we can conclude that our Ab-HRP stabilizer retains activity of both the conjugates at different temperatures over a period of time. Our stabilizer is safe, easy to use and cost effective. It can be used as general diluents for many assays to increase the overall sensitivity.

DISCLAIMER

Stability data of the Ab-HRP stabilizer is valid for the given conjugates. Stability may vary for different conjugates based on type of antibody, type of conjugation and type of assay. Self-evaluation is suggested for each conjugate.