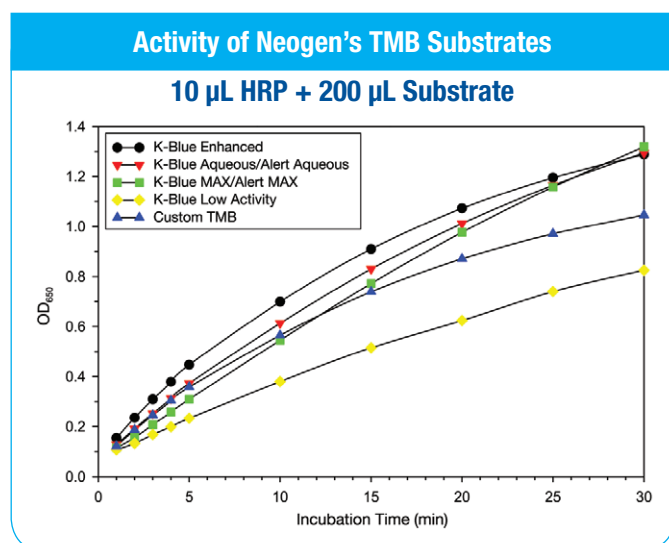


Microwell Substrates – HRP Applications

Neogen recognizes that one TMB microwell substrate formulation will not meet the specifications of all HRP-based immunoassays. Therefore, Neogen offers eight unique one-bottle TMB microwell substrate formulations to meet specific requirements of different assay systems. Our broad line of substrates offers the advantages of purchasing multiple formulations from one manufacturer, allowing for larger quantity discounts, uniform delivery schedules and simplified purchasing procedures. If you do not see the activity level you require, please let us know. We can customize a formula for you.



All of Neogen's TMB microwell substrate formulations are one-bottle stabilized chromogenic substrates for use with horseradish peroxidase immunoassays. The formulations contain 3,3',5,5' tetramethylbenzidine (TMB) and hydrogen peroxide (H_2O_2) in a ready-to-use format with long-term stability. Our TMB substrates will turn a deep blue color in the presence of peroxidase labeled conjugate. These substrates are not applicable for use with assays requiring a precipitating substrate. Neogen substrates have common characteristics of low background, excellent lot-to-lot consistency, and contain no DMF or DMSO.

Enhanced K-Blue

- Stability: 36 months at 4°C
- Ideal for assays requiring high activity. This formulation offers the highest activity, as compared to Neogen's K-Blue MAX for assays with shorter incubation times

K-Blue Aqueous (100% solvent free)

- Revolutionary, all aqueous TMB substrate
- Ideal for kit manufacturers working under strict regulatory requirements
- Stability: 24 months at 4°C
- High activity: kinetic reaction is similar to Neogen's Enhanced K-Blue formulation

K-Blue MAX

- Extended stability: 36 months at 4°C
- Ideal for assays requiring high activity. This formula offers the highest activity with 30 minute incubations

K-Blue Low Activity

- Stability: 24 months at 4°C
- Activity: ideal for assays requiring a less active substrate

Custom TMB Substrate

- Stability: 24 months at 4°C
- Activity: ideal for assays requiring a less active substrate

ABTS Substrate

This substrate is for use with HRP-based microwell assays. The substrate will produce a soluble blue-green reaction in the presence of peroxidase. This formulation offers the following advantages:

- Stability: 18 months at 4°C
- Application: HRP-based microwell assays
- Contains no DMF or DMSO
- Excellent lot-to-lot consistency
- Easy-to-use, one-bottle solution

For Research and Manufacturing Use Only

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