

TMB Blotting

CHROMOGENIC SUBSTRATES

Precipitating HRP Substrate

Cat. No. 4450

Lot No.: xxxxxxXxxDate of manufacture: mm-yyyyExpiry date: mm-yyyy (When stored at 2-8 °C in an unopened bottle)

Analysis: The substrate is analyzed for consistent sensitivity, background of the strips, appearance, and pH. Only the procedure for sensitivity and background is described in the CoA.

Dot blot: The sensitivity is determined as a dot blot analysis based on dilutions of HRP in various concentrations on nitrocellulose membranes. The membrane is blocked in Synthetic Blocking Buffer for Blotting, before it is incubated in the substrate for 10 minutes. Following the reaction is stopped by rinsing the strips with ELIX water. The sensitivity and background are compared to a reference substrate lot with known sensitivity and background.

Specifications:

| | |
|--------------|--|
| Sensitivity: | Detects < 0.025 ng HRP |
| Background: | The background of the strips must be light blue to colorless |
| Appearance: | Clear solution with no distinct color |
| pH: | 3.95 – 4.35 |

Results:

| | |
|--------------|---------------|
| Sensitivity: | <u>Passed</u> |
| Background: | <u>Passed</u> |
| Appearance: | <u>Passed</u> |
| pH: | <u>x.xx</u> |

Storage: Short-term storage: Ambient; protected from light.
Long-term storage: 2-8 °C; protected from light.

It is hereby confirmed that the product was manufactured according to our standard operating procedures and that the product complies with all specifications.

Performed by: _____ **Date:** dd-MMM-yyyy **Signature:** XX

Approved by: _____ **Date:** dd-MMM-yyyy **Signature:** XX

Our Immunoassay Solutions are developed in order to create a healthy and safe work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements. **We call it ECO-TEK!**

