

KemiLumin Vega

SUBSTRATES

HRP Chemiluminescence Substrate

Cat. No. 5420

Lot No.: xxxxxxXxx

Date of manufacture: mm-yyyy

Expiry date: mm-yyyy (When stored at 2-8 °C in an unopened bottle)

Component A: The component contains luminol.

Component B: The component contains peroxide.

Analysis: The substrate is analyzed for consistent activity, background, appearance, and pH. Only the procedure for activity and background is described in the CoA.
Background: A working solution consisting of equal volumes of Component A & B is added to wells of a black microtiter plate and the chemiluminescence is read at 1 s/well with a chemiluminescence reader.
Activity: 100 pg HRP per well in solution are pipetted into wells of a black microtiter plate. A working solution consisting of equal volumes of Component A & B is added to each well and incubated for 10 minutes. The chemiluminescence is read at 1 s/well with a chemiluminescence reader.

Specifications:

Activity:	5.0 · 10 ⁶ – 9.0 · 10 ⁶ RLU
Background:	< 100 RLU
Appearance:	Component A: Clear solution with no distinct color Component B: Clear solution with no distinct color Working solution: Clear solution with no distinct color
pH:	Component A: 9.40 – 9.60 Component B: 4.85 – 5.05 Working solution: 8.70 – 8.90

Results:

Activity:	<u>Passed</u>
Background:	<u>Passed</u>
Appearance:	Component A: <u>Passed</u> Component B: <u>Passed</u> Working solution: <u>Passed</u>
pH:	Component A: <u>Passed</u> Component B: <u>Passed</u> Working solution: <u>Passed</u>

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

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

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

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