

pNPP ONE

CHROMOGENIC SUBSTRATES

ELISA AP Substrate

Cat. No. 4401

Lot No.: XXXXXXDate of manufacture: XX-XXXXExpiry date: XX-XXXX (When stored at 2-8 °C in an unopened bottle)**Analysis:**

The substrate is analyzed for consistent activity, background, color and pH (only the procedure for activity and background is described in the COA).

Background: 100 µL substrate is pipetted into four wells of a standard microtiter plate, followed by addition of 100 µL 1 M sodium hydroxide. The background absorbance is read at 405/620 nm.

Activity: The activity is determined in a 2-layer ELISA. First layer is a standard Human serum dilution. Second layer is Rabbit anti Human IgG-AP. 100 µL substrate is added to each well and incubated for 30 minutes. The reaction is stopped by addition of 100 µL 1 M sodium hydroxide. The absorbance is read at 405/620 nm.

The activity is compared to a standard p-NPP solution with known activity.

Specifications:

Activity: 90 - 110%
Background: Abs. < 0.080
pH: 9.35 - 9.75
Color: Clear to slightly yellow

Results:

Activity test: ____
Background: ____
Color: ____
pH: ____

Storage:

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

Performed by:

Date: xx-xxx-2021 Signature: xx

Approved by:

Date: xx-xxx-2021 Signature: xx



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