

Chemiluminescent Substrates

Solutions for Immunoassay Production

We offer multiple chemiluminescent substrates for both HRP and AP applications to meet your immunoassay needs. Our luminol based formulations for HRP microwell and membrane applications allow for ultimate detection of horseradish peroxidase (HRP). We also offer ultrasensitive 1,2-dioxetane-based formulations for the detection of alkaline phosphatase (AP) in microwell and membrane applications.

Sensitivity

Chemiluminescent substrates allow significantly increased sensitivity when compared with traditional colorimetric substrates. Our chemiluminescent substrates offer sensitivity capabilities detecting picogram, femtogram, and attogram levels of HRP and AP.

Product	Application	Sensitivity
Chemiluminescent Elite	HRP	Picogram (10^{-12} g) Lower Range
Chemiluminescent Elite Plus	HRP	Picogram (10^{-12} g) Higher Range
Chemiluminescent Ultra	HRP	Femtogram (10^{-15} g)
Chemiluminescent AP Select	AP	Attogram (10^{-18} g) Lower Range
Chemiluminescent AP Select Plus	AP	Attogram (10^{-18} g) Higher Range

NEOGEN® also manufactures a full range of traditional colorimetric substrates and reagents for immunoassay production.

Call 800.477.8201 to order or visit NEOGEN.com