

HRP SUBSTRATES SELECTION GUIDE

Chromogenic

Item	Absorbance	MW	Plate	Solubility
ReadiUse™ ABTS	420	548.68	Clear Bottom	Good
ReadiUse™ TMB	650 (active) 450 (stopped)	240.34	Clear Bottom	Polar Organic Solvent Only

Fluorogenic

Item	Ex	Em	MW	Plate	Solubility
Amplite® Blue	324	409	~300	Solid black	Good
Amplite® ADHP	571	584	257.24	Solid black	Good
Amplite® Red	571	584	N/A	Solid black	Good
Amplite® IR	648	668	~400	Solid black	Excellent

Chemiluminescent

Item	Ex	Em	MW	Plate	Solubility
Luminol	351	415	177.16	White	Polar Organic Solvent Only
Amplite® West ECL HRP Substrate	351	415	N/A	White	Good

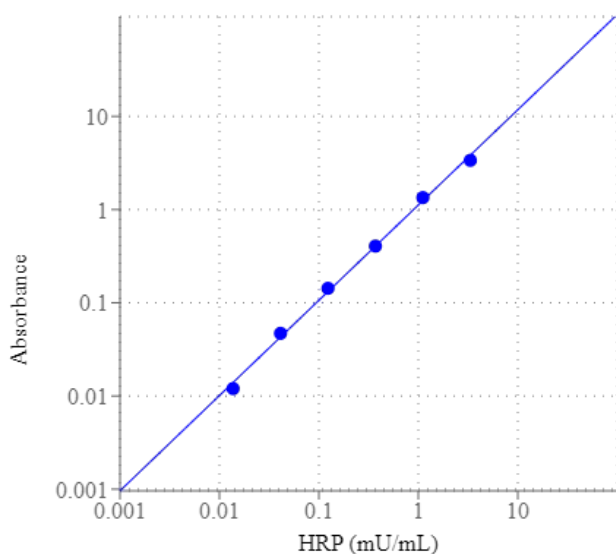


Figure 1. HRP dose response was measured with ReadiUse™ TMB Substrate Solution in a clear 96-well plate using a SpectraMax microplate reader (Molecular Devices).

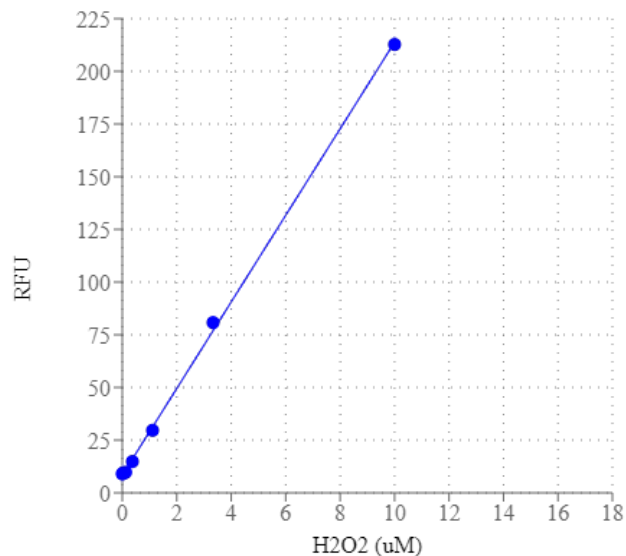


Figure 2. Hydrogen peroxide dose response was measured with Amplite® Blue using a Gemini fluorescence microplate reader (Molecular Devices).

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