



Moss Ultra-Sensitive Chemiluminescent Substrates for Alkaline Phosphatase

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Four of the most sensitive and well-known Alk Phos Substrates were used for comparison:

From Life Technologies:

- CDP-*Star*[®] Substrate (0.4 mM Ready-To-Use) with Emerald-II[™] Enhancer, Cat No. T2216
- CSPD[®] Substrate (0.4 mM Ready-To-Use) with Emerald-II[™] Enhancer, Cat No. T2212

From Lumigen:

- Lumi-Phos 530 (100 mL), Cat No. P-501
- Lumi-Phos Plus (100 mL), Cat No. P-701



Moss Formulations

MK (Maximum Kinetics):

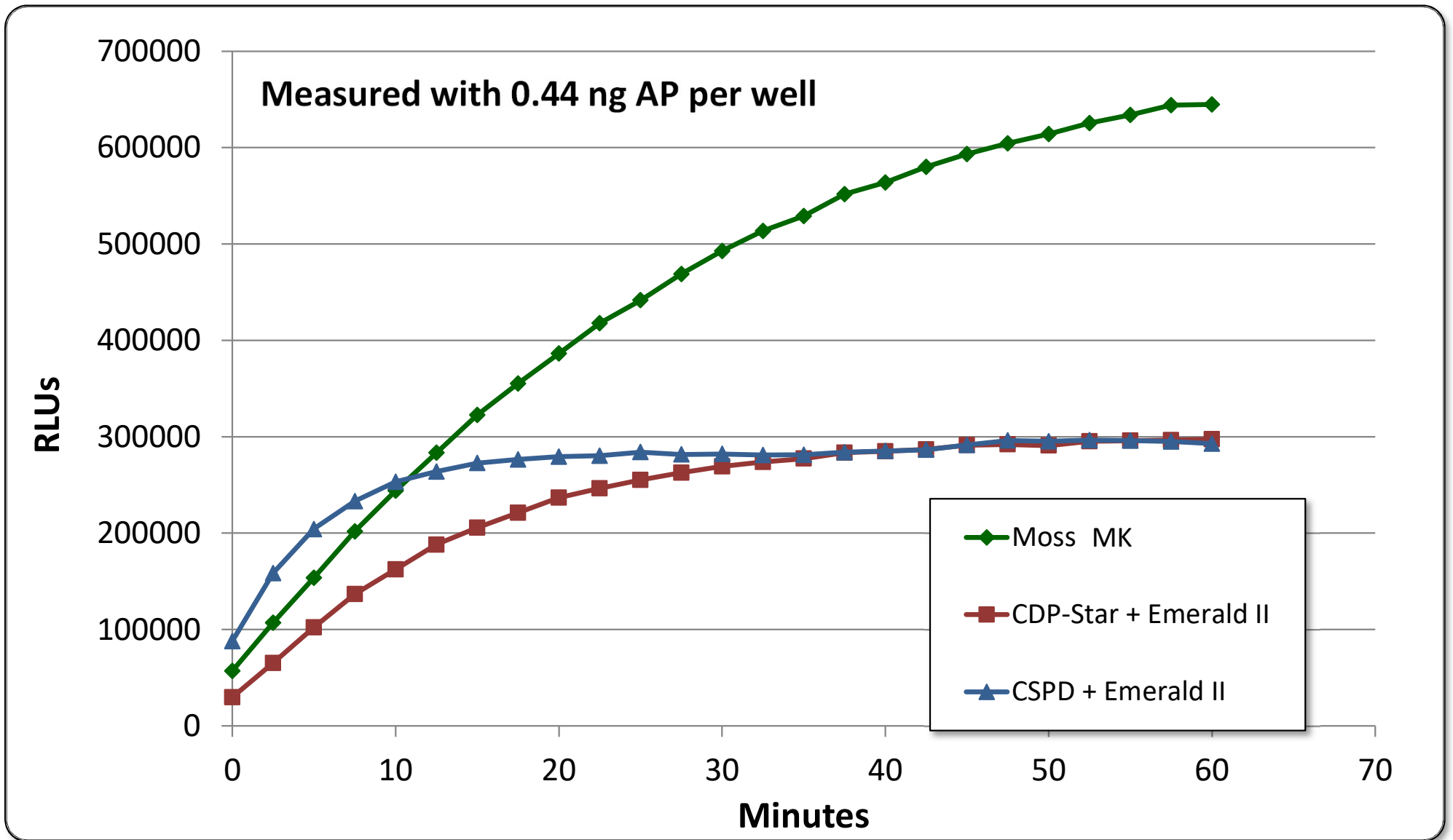
- The most sensitive formulation
- Signal reaches a plateau after approximately 45 minutes
- Available with a Diluent to adjust signal strength

RK (Rapid Kinetics):

- A highly sensitive formulation
- Signal reaches a plateau after approximately 20 minutes
- Available with a Diluent to adjust signal strength

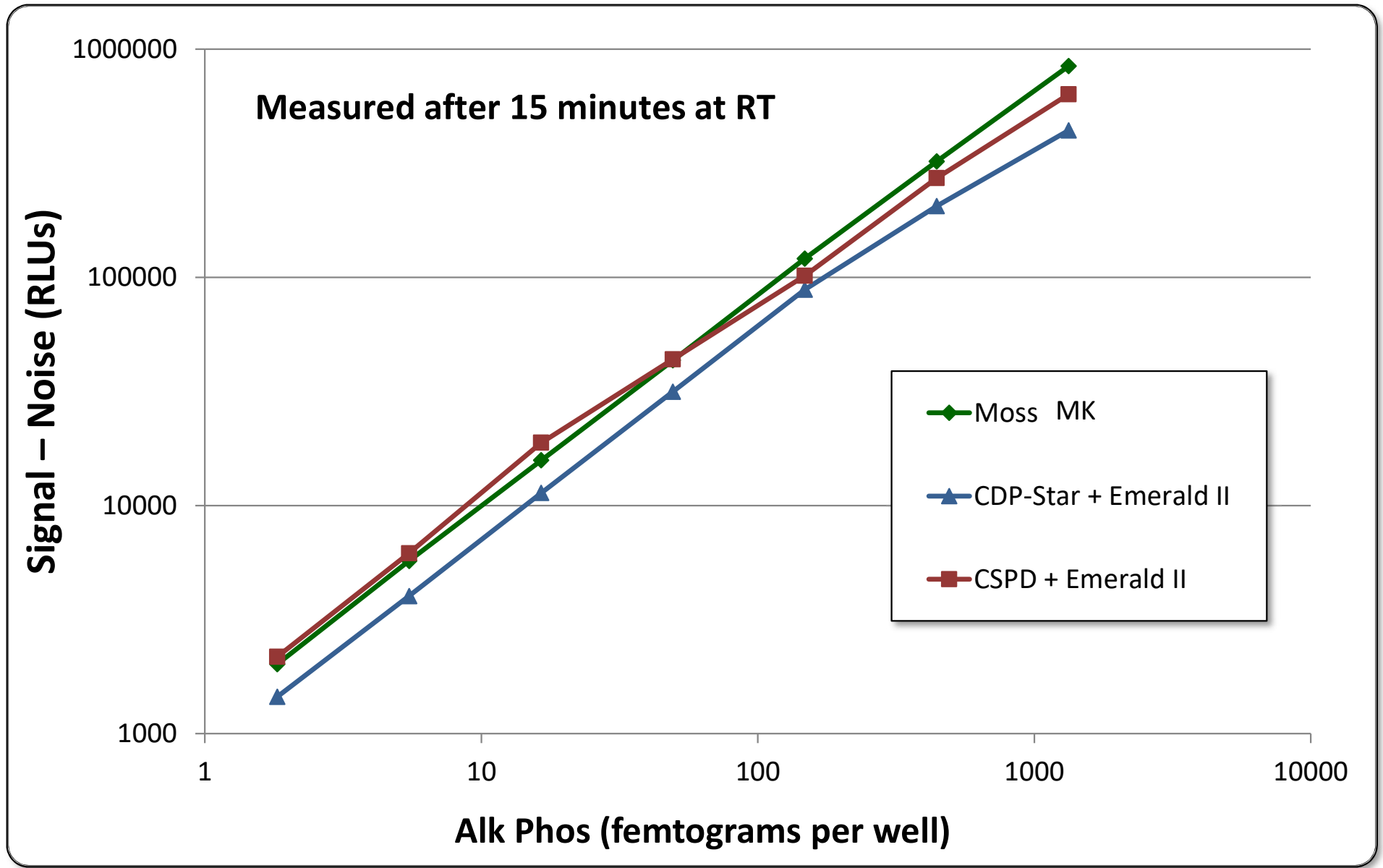


Moss MK vs Life Tech: Kinetics



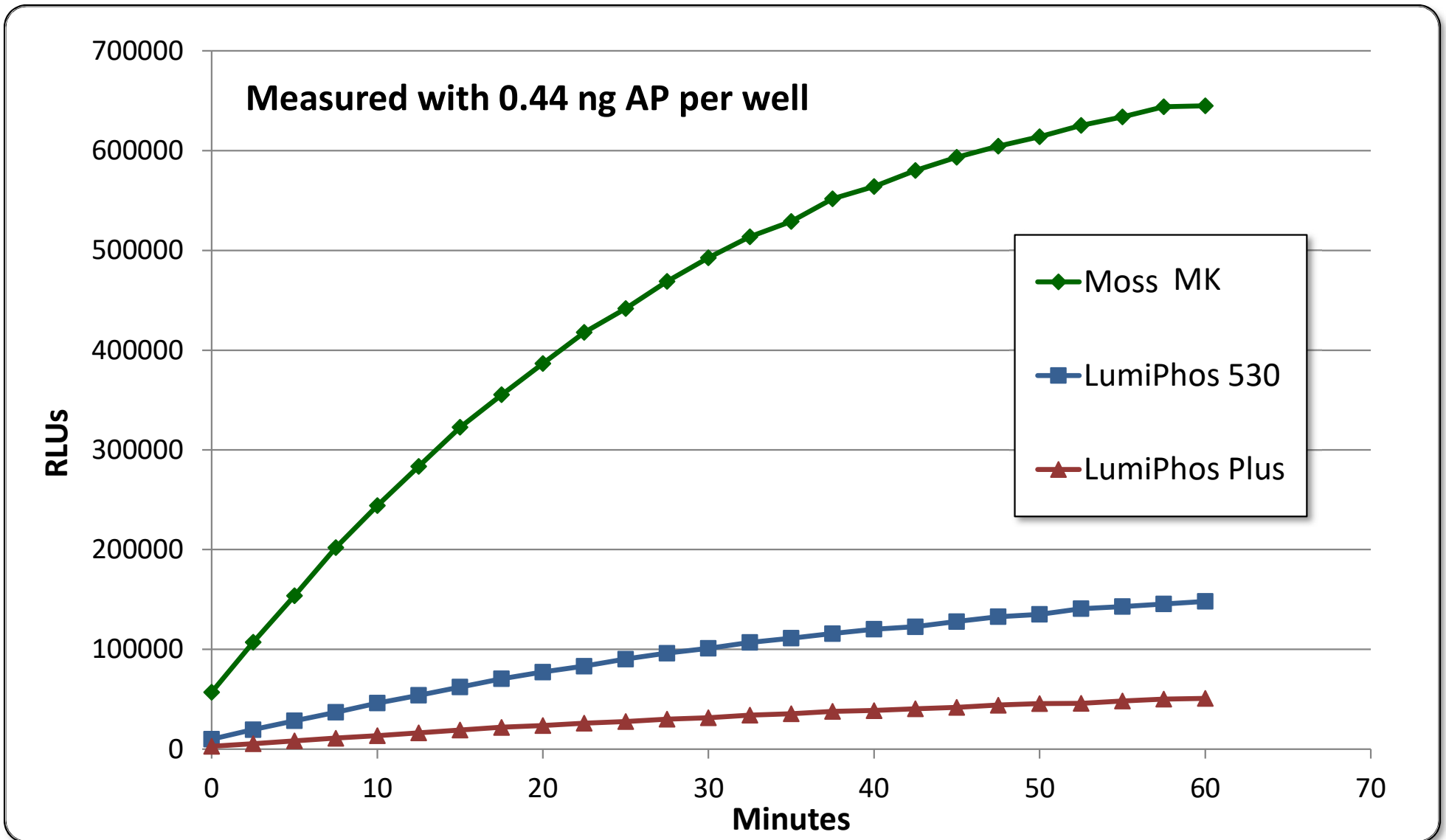


Moss MK vs Life Tech: Dose Response



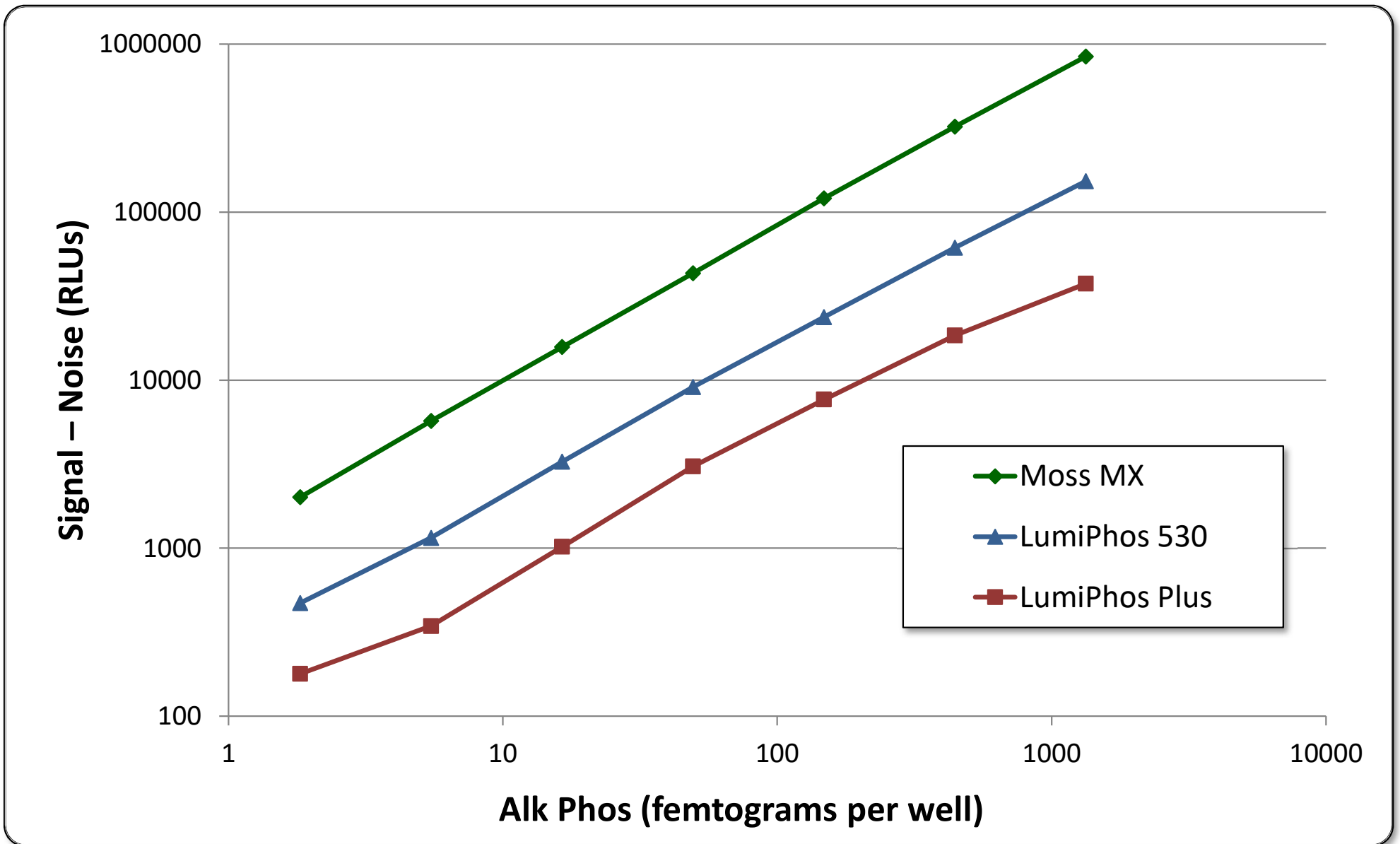


Moss MK vs Lumigen: Kinetics



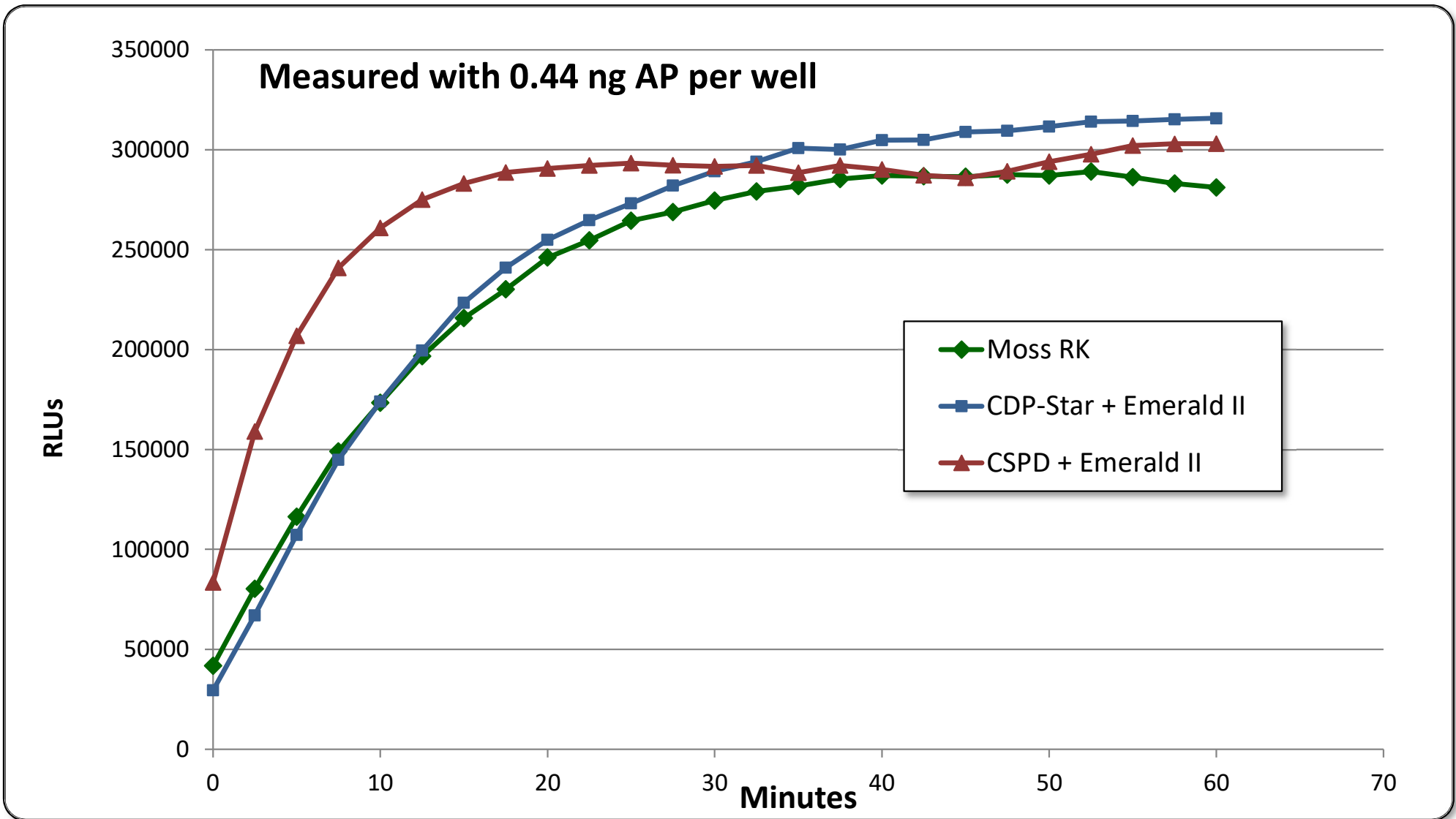


Moss MX vs Lumigen: Dose Response



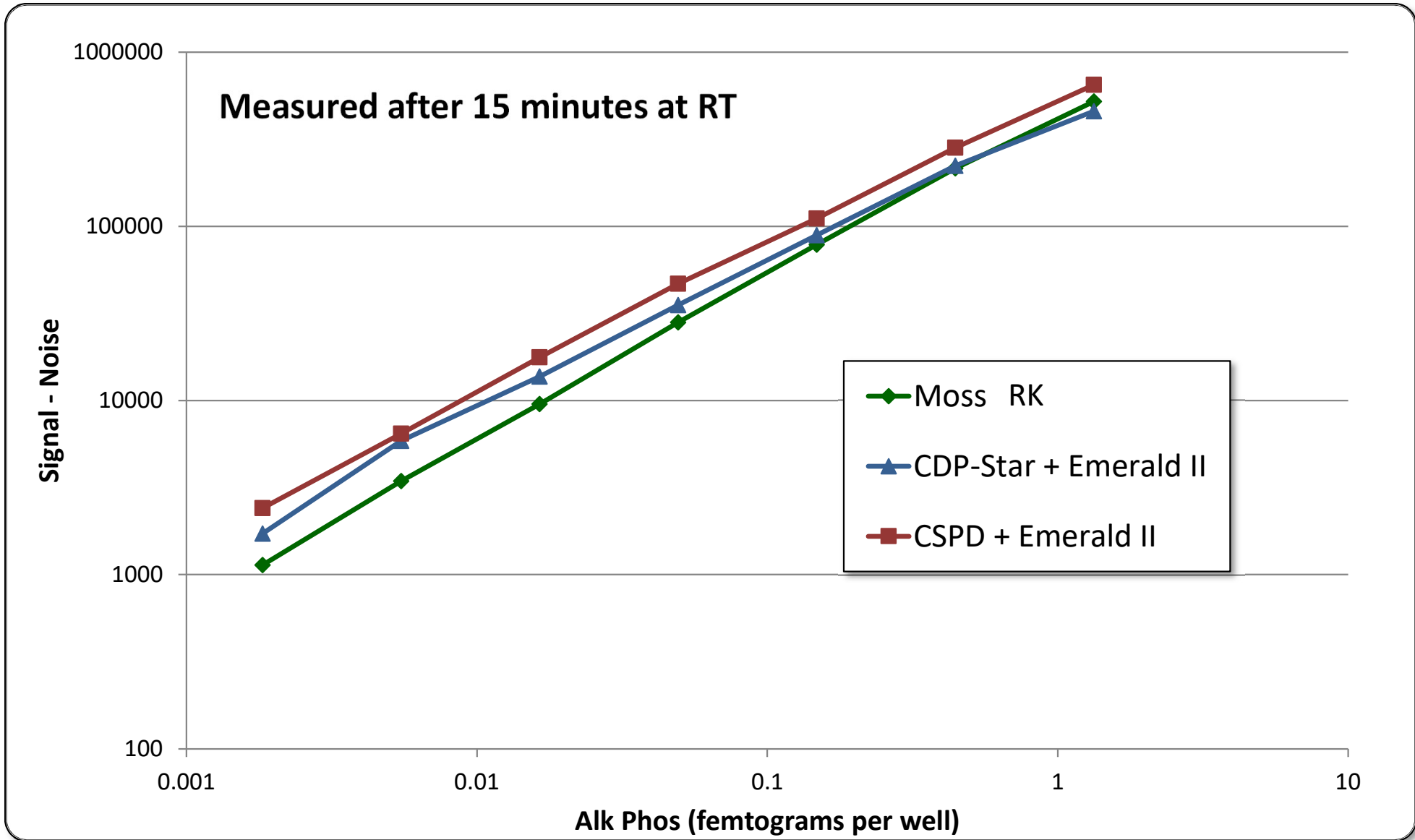


Moss RK vs Life Tech: Kinetics



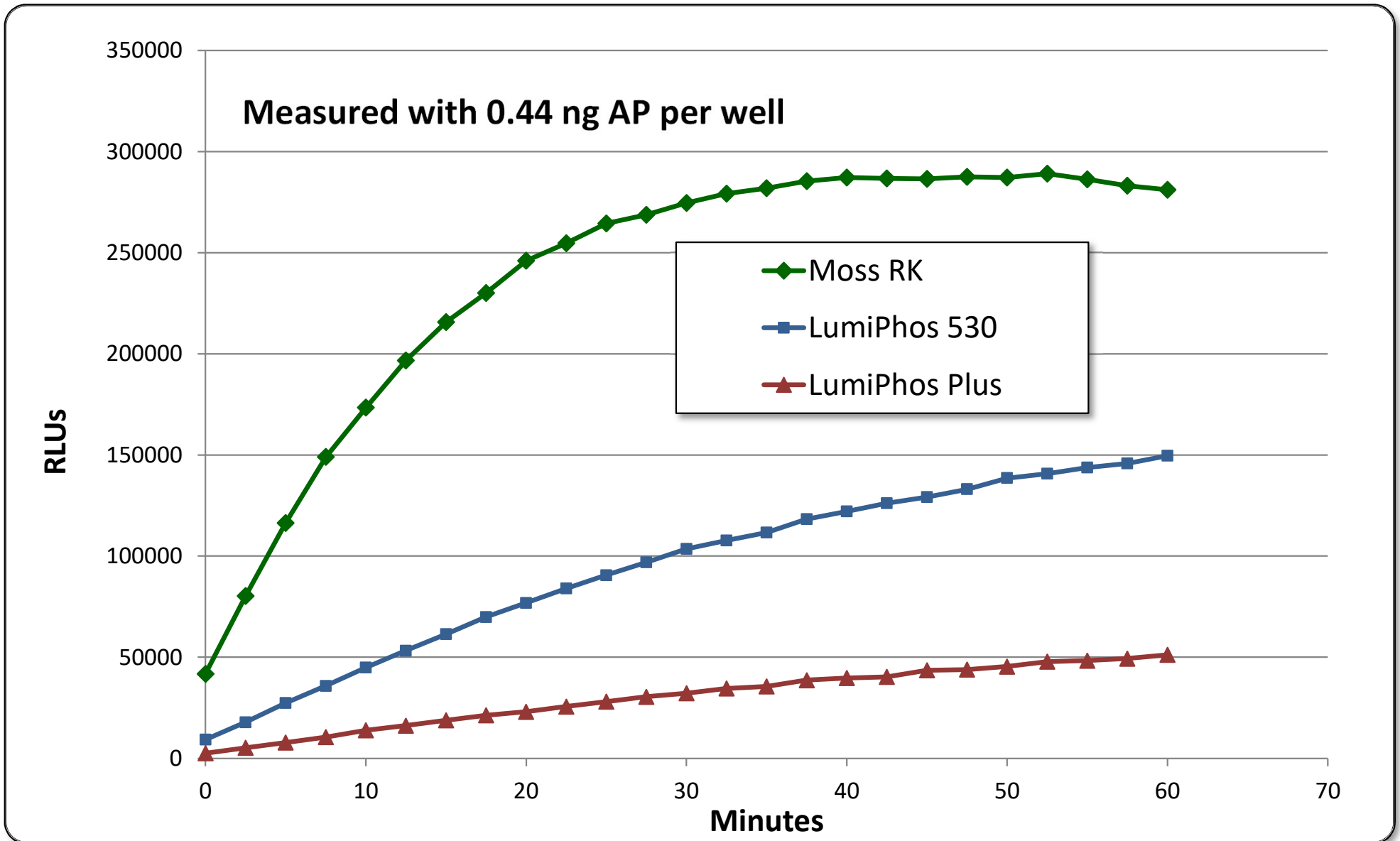


Moss RK vs Life Tech: Dose Response



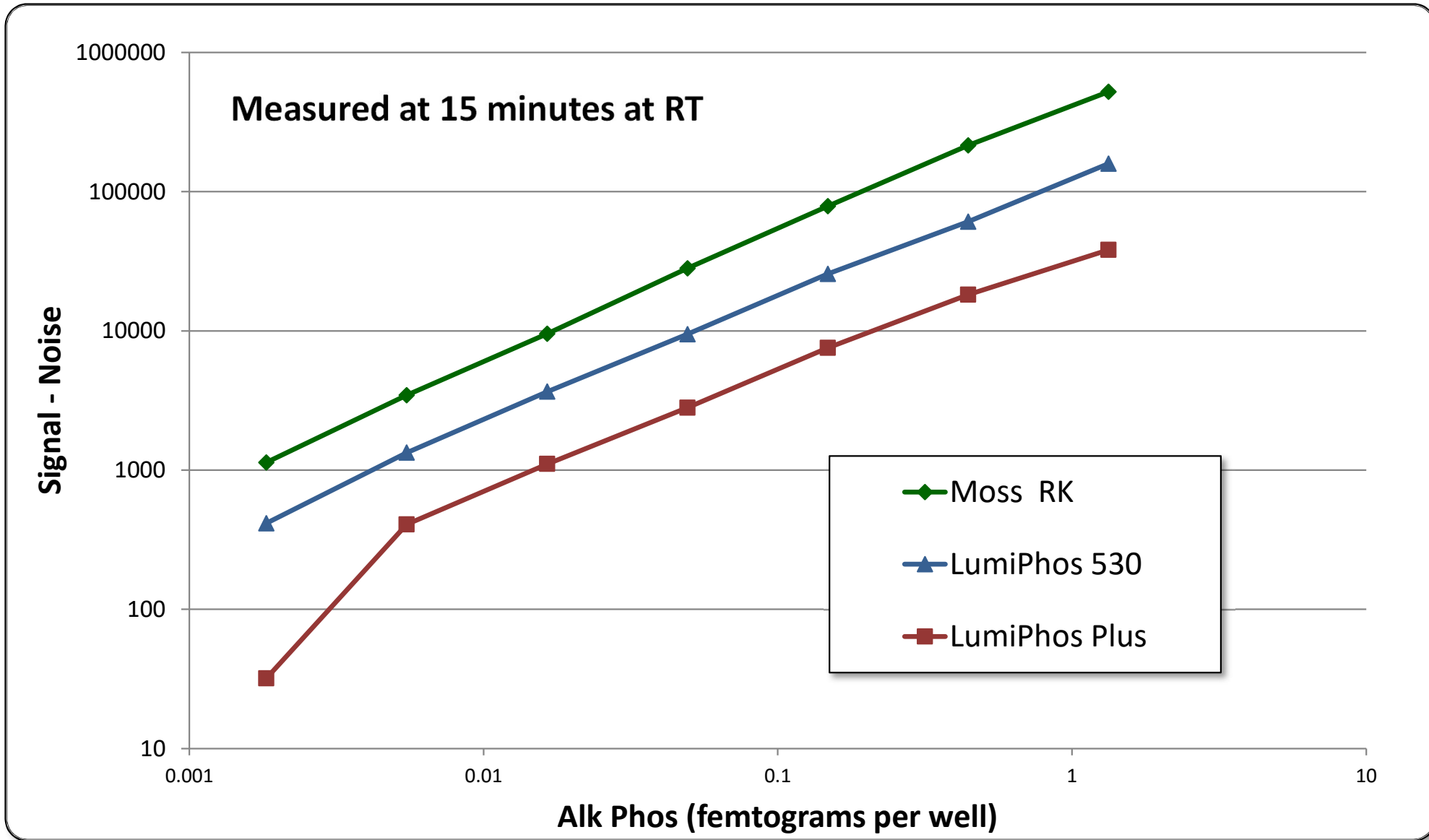


Moss RK vs Lumigen: Kinetics



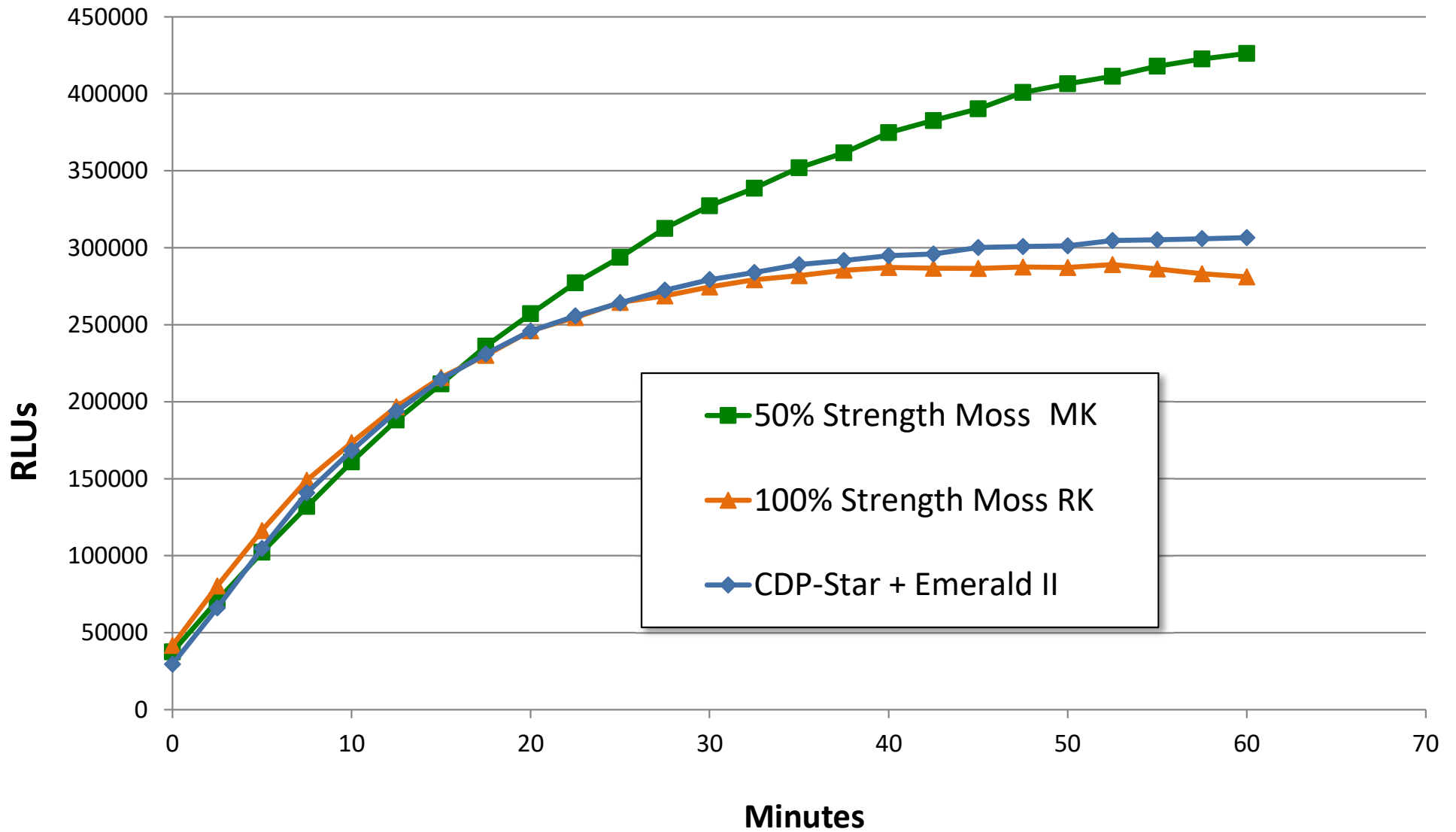


Moss RK vs Lumigen: Dose Response



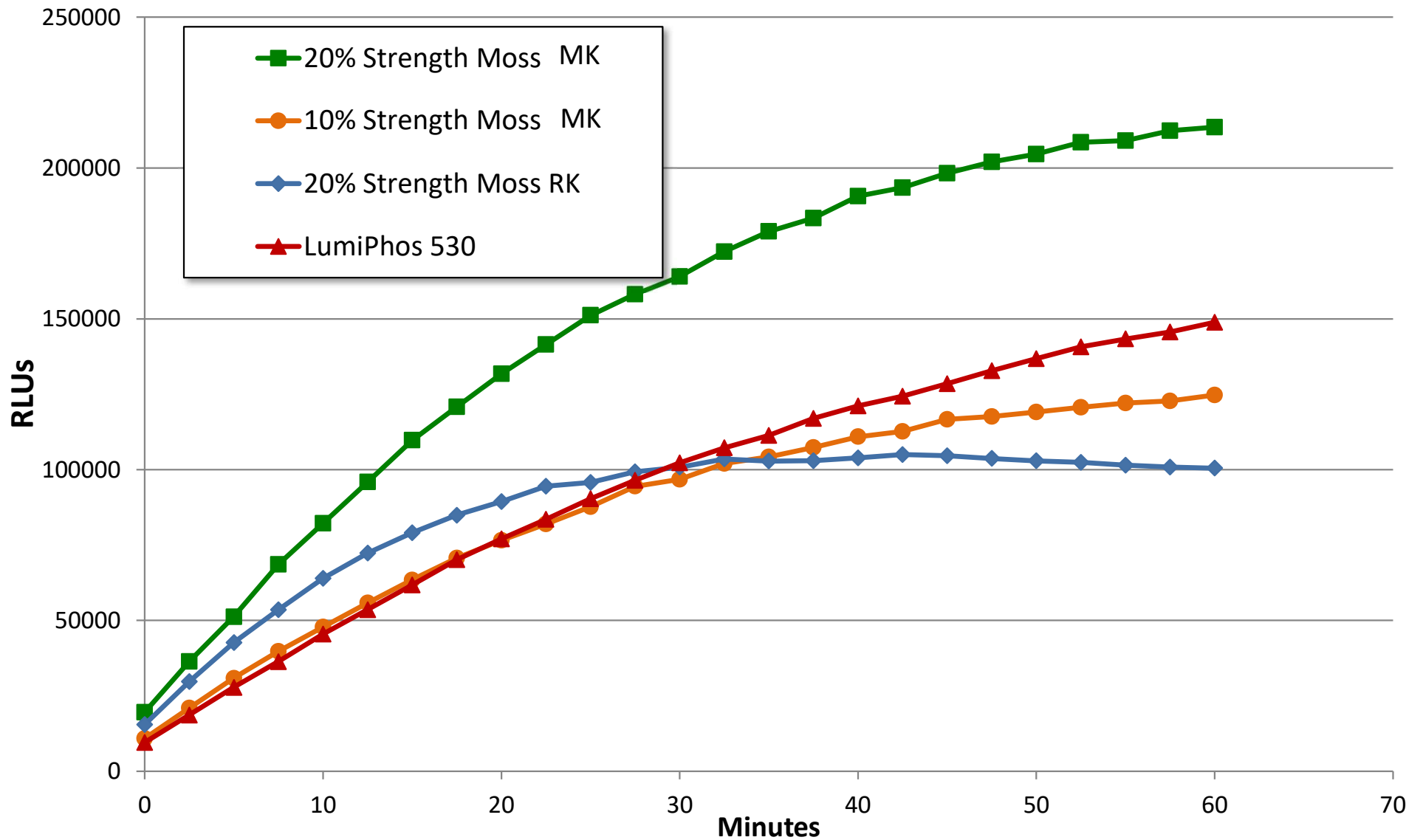


Matching Moss to CDP-Star





Matching Moss to LumiPhos 530





Contact Information

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