ATPase Assay

Reagents: 0.045% Malachite Green hydrochloride (MG)

 4.2% Ammonium Molybdate in 4 N HCl (AM)

 34% sodium citrate•2H2O

 10mM KH2PO4 (use dry salt - 100°C for several hours); appropriate dilutions

 made from stock and used for standards

• Make 3:1 mixture of MG and AM. After at least 20', filter through Whatman paper.

• Add 400 µL MG/AM solution to 25 µL sample. After 1' add 50 µL citrate solution.

• After ≥30' at RT, color development is measured at 660 nm. (Color should be stable for 4 hr).