

09_13 Lab Notebook

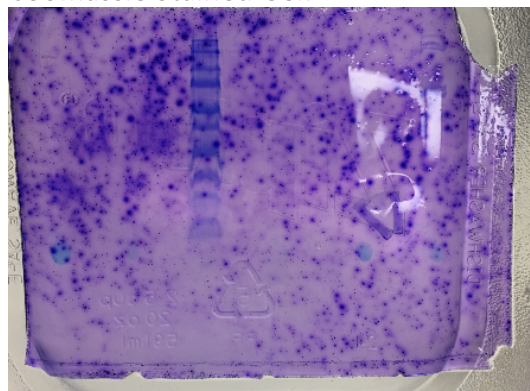
-AuNP did not form from 09_12

SDS-PAGE

-Sample Preparation (Number = labeled tube)

Starting Sample	BSA Only	Arginine Only (100mM)	AuNP:BSA	AuNP:Arginine	Poly-L-Lysine (control)
Diluted Sample	1.) 10 μ L BSA+ 10mL Glycine Buffer	3.) 10 μ L Arg.+ 10mL Glycine Buffer	5.) 10 μ L AuNP:BSA + 10mL Glycine Buffer	7.) 10 μ L AuNP:Arg + 10mL Glycine Buffer	9.) 10 μ L PLL+ 10mL Glycine Buffer
Sample to Run	2.) 10 μ L BSA/Glycine Buffer + 10 μ L SDS	2.) 10 μ L Arg./Glycine Buffer + 10 μ L SDS	2.) 10 μ L AuNP:BSA/Glycine Buffer + 10 μ L SDS	2.) 10 μ L AuNP:Arg./Glycine Buffer + 10 μ L SDS	2.) 10 μ L BSA/Glycine Buffer + 10 μ L SDS

Coomassie Stained Gel:



Loaded well assignment for above image

Well #	1	2	3	4	5	6	7	8	9	10	11	12
Tube #	10	Blank	8	Blank	Ladder	Blank	6	Blank	4	Blank	2	Blank

-In order to complete gel stain during the time constraints of the class period the gel was placed in fixative solution for 30 minutes, and then in the stain for one minute in the microwave until steaming and left on the shaker to cool, once cooled the gel was then placed in three destain washes for 10 minutes each. Based on above image could have used more destain time.