

10/11/2017

Tasklist:

- Attend Seminar
 - Attend Group meeting
 - Prepare Au/Zn core-shell NP
 - Freeze dry AuNP
 - Note: This was not performed because the chemistry department was out of liquid nitrogen.
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➤ Prepare Au/Zn core-shell NP

-Step 1: Using the prepared stock solutions, the following samples were prepared.

Sample 1

1mL AuNP (His/NaOH) + 1mL His + 1mL NH₄OH + 1mL ZnAc₂ + 6mL H₂O

Sample 2

1mL AuNP (His/NH₄OH) + 1mL His + 1mL NaOH + 1mL ZnAc₂ + 6mL H₂O

-Step 2: Place these two samples into the oven at 80 degrees C for 6 days.