

Equilibrium constant for formation of the iron thiocyanate complex ion in solution.

What should we include in our lab report?

Problem, hypothesis, Research question
One or two sentences.

Procedure/methods,
Brief. Summarize in one paragraph. Refer to the printed procedure for details, and describe any changes.

(results section)
Observations, Data

(analysis section)
Calculations. At least two sample calculations. (hand written OK) or send me an Excel spread sheet. Graphs, where appropriate. Explain how you chose molar coefficient.

Conclusions
Error analysis. Class data, averages, standard deviation, if you use best fit curve functions report Rsquared.

What is the uncertainty in each piece of equipment. Does equipment uncertainty alone explain the uncertainty in the results. What are other source of error. What assumptions did you make in the lab. What improvements could you make to the lab?