GENERAL FLOWCHART FOR GROUP C CATIONS CB1: CATIONS FOR OTHER GROUPS Add 40 drops of 0.5 M ammonium oxalate. Stir thoroughly and centrifuge. **RESIDUE** CENTRIFUGATE Wash it with 1 mL distilled water and **CC1: CATIONS FOR** transfer quantitatively to an evaporating dish OTHER GROUPS while using concentrated HNO₃ to wash. Add 5 drops of concentrated HNO₃ then heat to dryness under the fumehood over low heat. Cool for 5 minutes then add 6 drops of concentrated HNO₃ Heat to dryness again then cool for 5 minutes. Transfer quantitatively into a centrifuge tube using minimal amounts of 12 M HCl. Add 6 M KNO₂ until precipitates/solids form. Centrifuge. **CENTRIFUGATE RESIDUE** The residue should be **YELLOW** to Add 15 M NH₃ dropwise until basic (red litmus paper turned blue) indicate the presence of Co²⁺. Add 15 drops of 3 M (NH₄)₂CO₃ then centrifuge. Discard the centrifugate. Your sample is Co²⁺

