

separation of solid
PbCl₂/AgCl mixture

Setup 2 beakers
T. holder
1 pipettor

① In test tube add:

3 drops AgNO₃

6 drops Pb(NO₃)₂

clean one of the
2 beakers and
place dH₂O in
beaker.

② Add 15 drops 6M HCl. Mix.

③ Transfer ② into an EP tube.
Rinse pipet w dH₂O.

④ Spin for 30s. Remove supernatant
and discard. Keep pellet.

⑤ Wash pellet with 1mL dH₂O. Spin 30s
and discard supernatant.

⑥ Add 1mL dH₂O. Resuspend pellet. Transfer
to test tube. Heat to hot. Transfer hot
suspension back to EP tube and spin 30s.
Transfer supernatant to test tube. Test
with 2-4 drops K₂CrO₄. Yellow ppt is
positive for Pb²⁺.

⑦ Resuspend pellet in ⑥ in 1M NH_4OH .
Pellet should dissolve. Add 2-6 drops of
3M HNO_3 dropwise — one at a time.
You should see a white ppt. This is
positive for Ag^+ .