

Flinn Forensic Files — Ink Inspection

Observations

Attach your chromatograms of the six ink types tested below.

Post-Lab Questions

1. What colored pigments make up each black ink?
2. Why do different black inks separate into different pigment patterns?
3. Knowing that water is a very polar solvent, what can you infer about the relative polarities of the various pigments in each ink?
4. Based on evidence and your test results, which pen was most likely used to forge Alyson Marie Combs' signature at the bank?
5. What other types of forensics tests should be performed to further determine if this is indeed the pen used to forge Ms. Combs' signature on the check?