

TLC for Aflatoxin

1. Mix media sample with half the volume of chloroform (i.e. 500ul media and 250ul chloroform)
2. Vortex 20s, Spin 5min at Max
3. Pull off organic layer into new 1.5ml tube
4. In fume hood place tube in heating block at ~65C for about 30min or until dry.
5. Add 50ml of developing solvent to solvent tank, tank bottom should be covered with ~1cm or less depth of solvent
6. Add 10ul of chloroform to resuspend dried sample and spot onto TLC plate
Note: remember to spot standards
7. Place TLC plate in tank, let run until solvent front is 2-3 centimeters from top of plate (approx 30-45min).

Developing Solvent: 80% Benzene
 15% Methanol
 5% Acetic Acid

NOTE: Toluene may be substituted for Benzene to give equivalent results.