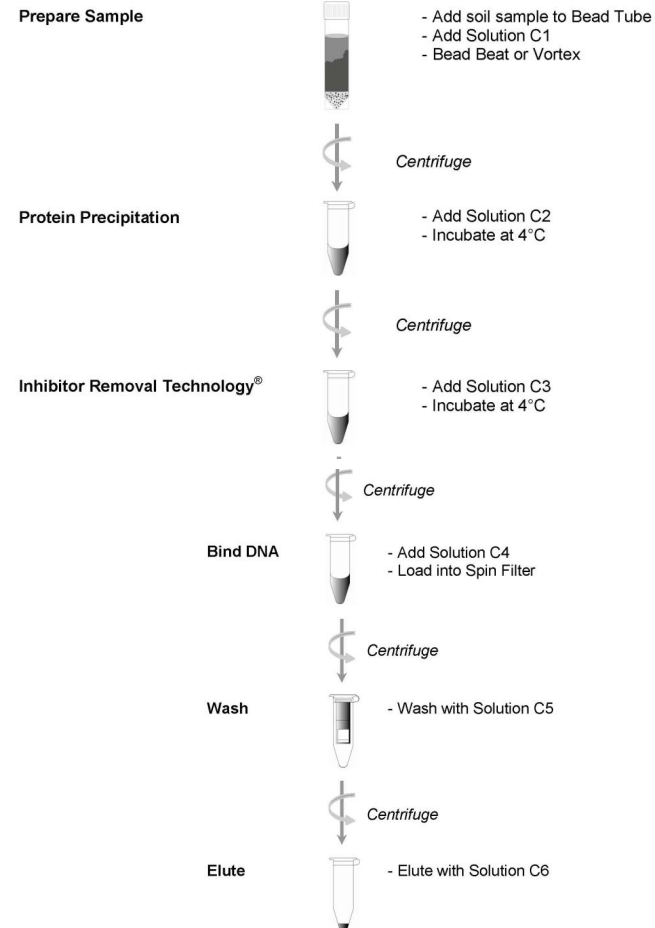


Wednesday 11 September

Biofilm DNA Purification

Workflow for purification

PowerLyzer™ PowerSoil® DNA Isolation Kit



PowerLyzer™ PowerSoil® DNA Isolation Kit

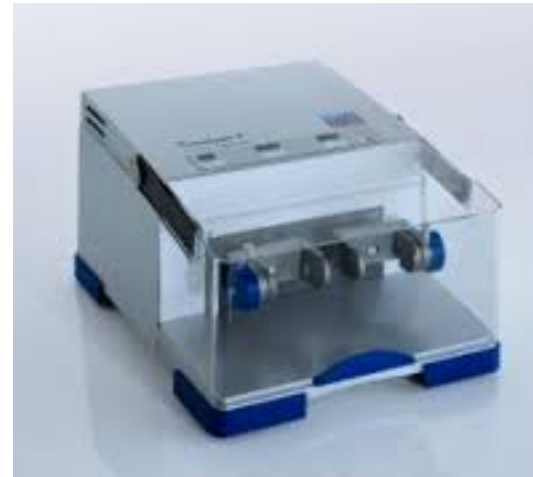
Prepare Sample



- Add soil sample to Bead Tube
- Add Solution C1
- Bead Beat or Vortex



Homogenize for 5min
at 20m/s



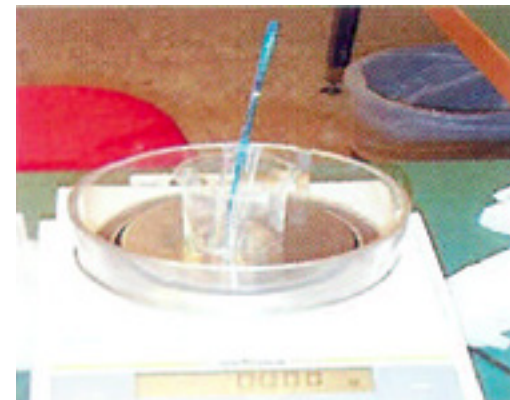
Transfer the sample to PowerLyzer™ Glass Bead Tube

PowerLyzer™ PowerSoil® DNA Isolation Kit

Prepare Sample



- Add soil sample to Bead Tube
- Add Solution C1
- Bead Beat or Vortex



Centrifuge for 1 min at 10,000 xg



Protein Precipitation and inhibitor removal of other organic materials

Protein Precipitation



- Add Solution C2
- Incubate at 4°C



Centrifuge

Inhibitor Removal Technology[®]



- Add Solution C3
- Incubate at 4°C



Centrifuge

Bind DNA



- Add Solution C4
- Load into Spin Filter



Centrifuge

Wash



- Wash with Solution C5



Centrifuge

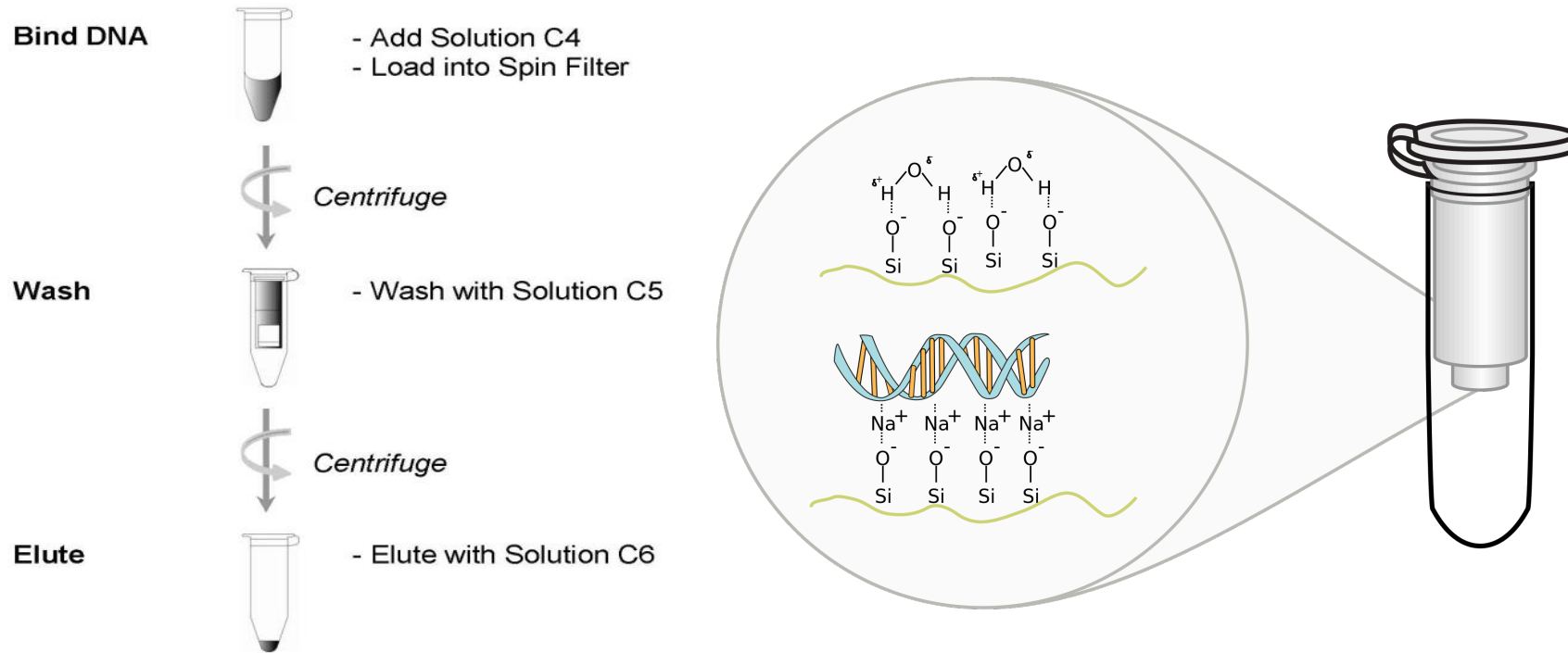
Elute



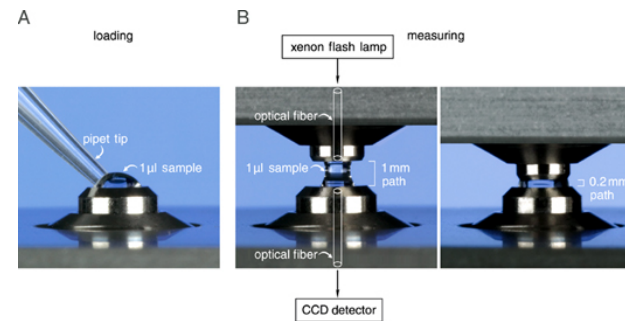
- Elute with Solution C6



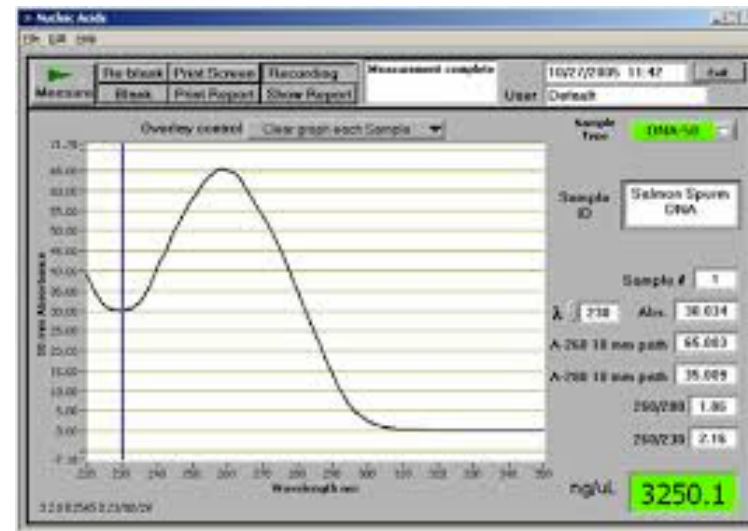
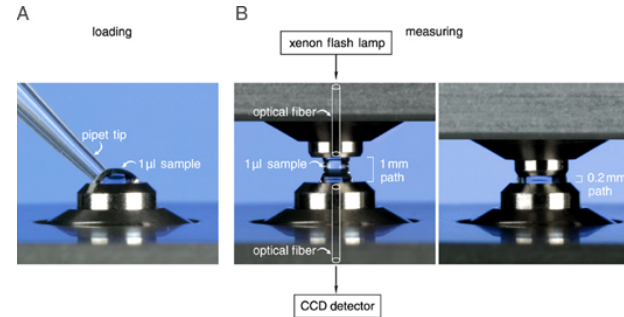
Binding of DNA, washing and Elute DNA



Measure the concentration of DNA



Measure the concentration of DNA



DNA shearing



Bioanalyser profile

