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# Tissue Extraction Troubleshooting Guide

| Problem | Solution |
|---|---|
| Poorly homogenized tissue | • Repeat homogenization |
| Low or no DNA yield | • Keep the sample in the magnetic separation device when removing supernatant during the binding or washing steps.<br>• Remove the supernatant without disturbing the pellet of beads by angling the pipette tip away from the pellet.<br>• Ensure Binding Buffer, Wash Buffer 1 and Wash Buffer 2 have had Isopropanol and Ethanol added correctly. |
| Remains of MAGneat beads in elution | • Leave on the magnetic stand until elution buffer is clear.<br>• Centrifuge eluate for 2-5 minutes at maximum speed. Remove supernatant free of beads. |
| Poor 260/230 Ratio | • Centrifuge eluate for 2-5 minutes at maximum speed. Remove supernatant and dispense into new tube ready to measure. |
| If MAGneat beads are being lost throughout the extraction | • Increase magnetizing time throughout the protocol.<br>• Remove the supernatant without disturbing the pellet of beads by angling the pipette tip away from the pellet. |
| Issues with downstream applications due to ethanol carryover | • Increase air drying time to ensure MAGneat beads have dried before adding elution. |