GENOMIC DNA LADDERING APOPTOSIS ASSAY

Adapted from BV's Cookbook, TCH 1/27/02

DNA Purification:

1. Use cells from a confluent T25, which will give you enough genomic DNA to run at least 10 gels.
2. Purify DNA using SDS-Proteinase K/PC8, as per protocol.
3. Resuspend the ethanol pellet in 50 ul LoTE.
   - Note that it may take 24 hours to get the very viscous DNA into solution.
4. Store the DNA sample at 4°C.

To resolve the DNA ladder:

1. Add 5 ul 6XGSB DNA loading buffer to 5 ul DNA sample.
2. Add the viscous DNA to dry wells so that it won't float off in the running buffer.
3. Add the running buffer until it barely touches the top of the gel, and run 10 min at 100 V to get the DNA into the gel.
4. Add sufficient buffer and continue electrophoresis.
5. Run a 1.4% agarose gel at 100 V for at least 30 min in a 12 cm x 14 cm OWL rig.