DNA/RNA Extraction and Purification
Kit: Qiagen AllPrep DNA/RNA FFPE Kit

To deparaffinize using zylene:

1. Under the hood, add 1 ml of xylene, using steril tips, to each sample.
2. Vortex the sample vigorously for 10 seconds and centrifuge at full speed, (21,000 x g or 15,000 rpm) for 2 minutes, until a robust pellet forms.
3. Under the hood, carefully remove the supernatant by pipetting without disturbing the pellet. Dispose of the supernatant in the xylene waste bucket and dispose of the tip in a waste bucket. Do this for all the samples. Store the remaining xylene in the cabinet under the hood.
4. Add 1 ml of ethanol (100%) to the pellet of each sample and vortex the sample. Centrifuge the sample at full speed, (21,000 x g or 15,000 rpm) for 2 minutes to form a pellet.
5. Carefully remove the supernatant by pipetting without disturbing the pellet. Use a smaller pipet tip to aspirate off most of the ethanol without disturbing the pellet.
6. Incubate the samples at room temperature (15-25 degrees Celsius) with the lids open for 10 minutes or until all of the ethanol residue has evaporated.
7. While incubation is proceeding, preheat three heat blocks for 56, 80 and 90 degrees Celsius.
8. After incubation, resuspend the pellet sample by adding 150 ul of Buffer PKD and flicking the tube to loosen the pellet. Add 10 ul of proteinase K, and mix by vortexing. Repeat this step for all of the samples, until pellet is fully suspended. (You can make a cocktail of Buffer PKD and the protease K, and add 160ul of the cocktail to each sample pellet).
9. Incubate all of the samples at 56 degrees for 15 minutes
10. Incubate the samples on ice for 3 minutes.
11. Centrifuge the sample for 15 minutes at 20,000 x g.
12. Carefully transfer the supernatant, without disturbing the pellet, to a new 1.5 ml centrifuge labeled tube for RNA purification. Keep the pellet for DNA purification.

The DNA containing pellet can be stored for 2 hours at room temperature, for up to 1 day at 2-8 degrees Celsius or for longer periods -20 degrees Celsius.