

## GeneReleaser® DNA AMPLIFICATION FROM PARAFFIN EMBEDDED TISSUE Protocol

Deparaffinize tissue (either slide mounted or section from block) by the following:

1. 2 X 15 minute wash in xylene or equivalent completely immersing the section or slide in the wash agent. ( 100% Acetone Wash @ 2 x 5 minutes is required for all lipid-rich tissue, i.e brain tissue, etc.)
2. Wet slide or tissue by sequential washes in:
  - 100% Ethanol 2x5 min.
  - 70% Ethanol 2x5 min.
  - 30% Ethanol 2x5 min.
  - 100% DI water 2x5 min.
3. Wash slide or section:
  - 1xTE 1x5 min.
  - 100% DI water 1x5 min.
4. Combine tissue and 20µl of GeneReleaser® a into 1.5ml tube. If tissue is slide mounted then use approximately a 1mm<sup>2</sup> to 9mm<sup>2</sup> tissue scraping into tube.
5. Using a disposable pestle grind the tissue in the tube about 10-20 thrust with the pestle. Alternatively, 10 units of Proteinase K can be added and the tissue digested for 30 minutes at 55°C in a capped tube.
6. Transfer as much of the contents as possible of the 1.5ml tube containing the GR treated tissue to a 0.5ml PCR tube.
7. Overlay with mineral oil and treat using the microwave protocol.
8. Add 25µl of 1XTE to the treated tissue in the 0.5ml tube.
9. Centrifuge for 5 minutes at 5,000 x g
10. Transfer the aqueous phase to a fresh tube.
11. Use 1-10µl of the aqueous phase from step 10 as a source of DNA for PCR.

Note: the volume required depends on the amount of tissue, the type of tissue, fixation method and age of specimen.

If you have further questions, please contact us at [support@bioventures.com](mailto:support@bioventures.com). You may also contact us via fax (1-877-286-0330) or through our toll-free phone number (1-877-852-7846).