

GeneReleaser® Proteinase K Digestion of Mouse Tail Protocol

Use Boehringer Mannheim PK - Catalog #1373196. This PK is usually from 14 to 15mg/ml.

1. Cut a 1mm thick slice of mouse tail which has been washed with sterile water to remove surface contamination.
2. Place this section of tail in a 0.5ml PCR tube
3. Add 50µl 1XTE.
4. Add 20µl GeneReleaser®.
5. Add 2µl PK @ 14-15 mg/ml and mix well.
6. Digest on thermal cycler 1-3 hours @ 55°C.
7. Vortex to resuspend.
8. Heat inactivate 95°C for 10 minutes. (This is critical - DO NOT SHORTEN TIME OR LOWER TEMPERATURE - IF PK IS NOT COMPLETELY INACTIVATED IT WILL DIGEST TAQ.)
9. Centrifuge 5 minutes @ 10,000xg.
10. Carefully transfer supernatant to fresh 1.5ml sterile screw cap tube or other suitable storage container.
11. Use 1µl, 2.5µl, and 5µl of supernatant as template for 3-100µl reactions. This is a rangefinding step. Thereafter use whichever performed best.

If you have further questions, please contact us at 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).