

GeneReleaser® Buccal Cell Protocol

In order to perform DNA amplification to detect certain viruses or other intracellular organisms it is necessary to obtain the population of nucleated cells from buccal cells. The following procedure sets forth a rapid method for obtaining such a population of nucleated cells.

1. Transfer an aliquot of a suspension of Buccal cells containing ~ 10^6 nucleated cells to a 0.5 ml amplification tube.
2. Microfuge the tube for 1 minute at 12,000xg.
3. Remove and discard the supernatant, leaving the buccal cell pellet in the tube
Step 4 and 5 are optional:
4. Wash the remaining cell pellet 2 X with 200 μ l of 1x amplification buffer by resuspending the cells in the buffer and repeating the centrifugation step.
5. Following the last wash step, discard the supernatant as completely as possible.
6. Add 20 μ l of GeneReleaser® and proceed with either the thermocycle or microwave lysis protocols.

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).