extract genomic DNA

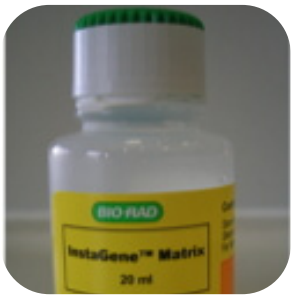
Prepare 3 ml H_2O or 0,9% NaCl-solution for collecting mucosa-cells

Chew inner cheeks gently and flush liquid back into the falcon tube.

Mix the cell-suspen-sionwell for 30 sec on a vortex to get a homogen solution

Transfer 1ml for into Epi-tube for subsequent DNA - extraction

Sediment cells through short spinning for 30 s decant supernatant and add 30 µl dd H_2O



Add Chelex(R)-beads to remove DNAse-activating metal-ions

Add 100 µl Chelex(R) and resuspend pellet by vortexing

Cell-lysis is achieved by heat shock for 10 min at 99 °C Use waterbath or metal-block heater

Sediment Chelex beads by short spinning for 30 sec Never miss balancing the rotor by using exact counterweight

Remove supernatant carefully.

Don‘t carry Chelex beads!

Supernatant contains the DNA.
To stock at deep freeze transfer into an Epi-tube or use directly.

E.g. as template in a PCR-reaction. Take 2,5µl DNA + 22,5 µl PCR-Mix or H_2O, if using Amersham PCR-Beads