

Appendix

Materials:

Premix reagent:

- Primer forward.
- Primer reverse.
- DNTPs 10x.
- Tag polymerase.
- PCR buffer.
- Mgcl₂.
- DNA extraction.
- H₂O (D.W).

PBS: Phosphate buffered saline.

QIAGEN Protease: 1vial {Blood Mini (50)} + 1vial {Blood Mini (250)}.

Proteinase K: 1.25ml {Mini (50)} + 6ml {Mini (250)}.

QIAamp DNA Mini: For DNA purification from whole blood, plasma, serum, buffy coat, lymphocytes, dried blood spots (QIAamp DNA Mini Kit only).

Buffer AL: 12ml {Blood Mini (50)} + 2×33ml {Blood Mini (250)} + 12ml {Mini (50)} + 2×33ml {Mini (250)}.

Buffer AW1 (concentrate): 19ml {Blood Mini (50)} + 98ml {Blood Mini (250)} + 19ml {Mini (50)} + 98ml {Mini (250)}.

Buffer AW2 (concentrate): 13ml {Blood Mini (50)} + 66ml {Blood Mini (250)} + 13ml {Mini (50)} + 66ml {Mini (250)}.

Buffer AE: 15ml {Blood Mini (50)} + 60ml {Blood Mini (250)} + 2×15ml {Mini (50)} + 128ml {Mini (250)}.

Agarose gel:

- Agarose powder (1gm).
- 50 ml TBE (Tris base {5.4gm} + Boric acid{2.75gm} + EDTA{0.36gm}).
- Complete volume to 500 ml distilled water.

Equipment:

- PCR machine.
- Centrifuge.
- Water bath.
- Vortex mixture.
- EDTA tube.
- Syringes.
- Ependrof tube.