

Approved by Director: Dr. Guy Vallaro

Extraction reagents: Use an RB and an EP1 for the extraction set-up, follow the protocol for the extraction of body fluids and tissues (mtDNA SOP-03) or the protocol for EZ1 Known sample processing (mtDNA SOP-15).

Amplify 10µL each of the NC, RB, EP1 (1:10 dilution), and HL60 for one region at 36 cycles (mtDNA SOP-05).

If using the EZ1 procedure, amplify Amplify 10µL each of the NC, RB, and HL60, and 1 µL of EP1, for one region at 36 cycles (mtDNA SOP-05).

Amplification reagents: Amplify 10µL each of the NC and HL60 for one region at 32 cycles (mtDNA SOP-05).

*If a new HL60 is being checked for performance, both HV1 and HV2 need to be amplified to ensure that the proper sequence is obtained.

Sequencing reagents: Sequence a NC and HL60 from one region (mtDNA SOP-07, 08).

For an exhaustive list of the critical reagents, see mtDNA SOP-01.