

*Approved by Director: Dr. Guy Vallaro***14.1 PURPOSE:**

14.1.1 Sequences of HL60 and RKO. mtDNA Unit Organization.

**14.2 RESPONSIBILITY:**

14.2.1 Forensic Science Examiners from the CT DESPP Division of Scientific Services who have been trained in the discipline of Mitochondrial DNA Analysis according to the Mitochondrial DNA Section Training Manual.

**14.3 Appendix A - Sequences**

14.3.1 HL60 is used as a positive control. RKO is used for quality control of extraction reagents. The HV1 and HV2 regions of the mtDNA from these samples have been amplified and sequenced by the CT Forensic Laboratory. The HL60 and RKO mtDNA HV1 and HV2 sequences, expressed as differences from the rCRS, are provided in the table below.

Region	HL60	RKO
<b>HV1</b>	16069 T 16193 T 16278 T 16362 C	16293 G 16311 C
<b>HV2</b>	73 G 150 T 152 C 263 G 295 T 315.1 C	195 C 263 G 315.1 C

#### **14.4 Appendix B – mtDNA Unit Organization**

- 14.4.1 Refer to the DNA/FB Unit Organizational Chart located in DNA SOP-17 for structure and job duties.
- 14.4.2 DNA Functions
  - 14.4.2.1 Technical Leader: Dr. Carll Ladd
  - 14.4.2.2 Assistant Technical Leader (nuclear DNA): Daniel Renstrom
  - 14.4.2.3 Assistant Technical Leader (mtDNA): Dr. Angela J. Przech
  - 14.4.2.4 Training Coordinator: Dr. Heather Degnan
  - 14.4.2.5 Validation Coordinator: Dr. John Schienman
  - 14.4.2.6 CODIS Administrator: Patty Johannes
  - 14.4.2.7 Alternate CODIS Administrator: Megan Olt
  - 14.4.2.8 mtDNA Analysts: Kristen Madel, Kristin Sasinouski, Adrienne Schoefer