

ACCEPTABLE NARRATIVES TO BE USED IN LIEU OF COST SHARING COMMITMENTS

Laboratory: The Principal Investigator and Research Associate have unrestricted access to the facilities and equipment available in the Retrovirology Research Laboratory (RRL), which occupies approximately 6,000 square feet of space on the second floor of the Atherton Building at Leahi Hospital. The laboratory is comprised of virus isolation/cell culture rooms for the safe processing of BSL 2-level microbial agents, rooms for molecular biological manipulations, and a dark room for developing autoradiographs. MTB isolates will be inactivated before being transported from the State Department of Health laboratories to the RRL.

Animal: Research utilizing vertebrate animals is not planned.

Computer: The Principal Investigator and Research Associate have extensive training in the use of computers. The RRL is equipped with several Macintosh and IBM computers, including three Power Macintosh computers, which are networked, for DNA and protein sequence analysis. Four laser printers are available for use by the laboratory staff.

Other: The Biotechnology/ Molecular Biology Instrumentation and Training Facility (BMBITF) provides full support services, including DNA sequencing and oligonucleotide synthesis.

Major Equipment: The RRL is equipped with Baker laminar-flow biosafety cabinets (3); Forma dual-chamber, water-jacketed CO₂ incubators (3); IEC low- and high-speed refrigerated centrifuges (2); Beckman TL-100 table-top ultra-centrifuge with three rotors (1); Eppendorf or Hermle microcentrifuges (6); Savant table-top speed vac (1); vacuum oven (1); multipurpose water baths (4); shaking water bath (1); shaking variable-temperature incubator (1); low- and high-voltage power packs (2); Perkin-Elmer PCR thermal cyclers (3); undercounter refrigerators (6) and -20°C freezers (6); ultralow temperature -80°C freezers (6); upright -20°C freezers (2); light, fluorescent and inverted microscopes (3); Dynatech ELISA plate reader with manual washing system and printer (1); manual sequencing-gel apparatus (1); gel electrophoresis apparatus (3); BioRad transblot apparatus (1); BioRad gel-dryer (1); programmable cell freezer system (1); Beckman spectrophotometer (1); plasma freezer; Polaroid MP4+ XLR multi-purpose camera system with visible light system (1); Thermolyne Locator 8 liquid nitrogen freezer (1); Coulter cell counter (1).