

Animal laboratory information management system

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The Reference Laboratory for Veterinary Quality Control on Poultry Production (RLQP) was established since 2003 to control biological risks that could affect the Egyptian poultry industry. by continuous monitoring and evaluating the quality control measures on different poultry production value chain. In this regard RLQP has established the diagnostic Lab. Animal Facility (LAF) since 2004. The LAF aimed to support the lab in studying different poultry microorganisms (MO) pathogenicity and vaccine potency. Since the emerging of the highly pathogenic avian influenza HPAI H5N1 in Egypt on Feb 2006, the need for improving the biosafety and biosecurity practicing levels of RLQP LAF had become an urgent need. RLQP started this process by adoption extensive training for the LAF working team on the aspect of biosafety and biosecurity. In 2010 RLQP started to build a new LAF to meet the biosafety and biosecurity measurements required for protecting both human and environment and to work with the HPAI and other virulent pathogenic microorganism. RLQP developed animal laboratory information management system (ALIMS) to organize the LAF works flow. The new management system based on following animal research ethics code, regulations and policies to overcome the human errors according to international standards. ALIMS project was planned to be conducted on two phases. Phase I- development the documentation system and phase II- development the software and work flow automation. The first phase end by of January 2015 and the new lab animal management system was developed including 9 modules as following, 1) Animal Study Management, 2) Lab Inventory and Storage Management, 3) Electronic Document Management (EDM), 4) Environmental Monitoring, 5) Instrument Management, 6) Data Analysis, 7) Study Management, 8) Prioritization Queues and Work list Management, 9) Project Management. Financial support is required for starting and finalizing this phase (Phase II).