

IX ENCONTRO DO INSTITUTO ADOLFO LUTZ I SIMPÓSIO INTERNACIONAL DE VIGILÂNCIA E RESPOSTA RÁPIDA

Q-030-23 CREATION OF A COMPUTERIZED SYSTEM FOR THE STOCKING OF BIOLOGICAL MATERIAL

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Resumo

The trend is to create international guidelines to standardize techniques for the collection, processing and storage of clinical materials with integrated collections subsidized by public funding and stored in centers with a capacity to maintain the samples. In this way, it is possible to guarantee the quality of storage, traceability and accurate analysis of samples. The aim of this project was to develop a computerized system for the storage and organization of biological samples according to legal requirements and for research purposes in a specific space named "AmostraTeca". Initially a room in the Instituto Adolfo Lutz of São Jose do Rio Preto, SP was reserved with -20°C and -70°C freezers, air conditioning and a computer for the sample database. Specific protocols are used to collect information on each clinical specimen, which are then entered into the system while respecting the temporality of storage and the most appropriate method for each type of material. Samples are registered in the database, organized and stored. The computerized system comprises the following items: matrix storage, storage temporality, control of quality by temperature, backup power system, control of sample handling and control of equipment, registration of professionals responsible for the removal of samples and control of biometric access. In the case of requests for samples stored for scientific research, projects must be approved by the Scientific and Research Ethics Committees according to law n° 196/96. Preserving the vitality of the cells and the genetic material of biological samples with adequate storage improves efficacy in epidemiological surveillance responses and public healthcare network and can collaborate with future studies to benefit the population with the development of new biotechnologies.