

Abstract

This work is focused on the description of quality control of molecular-biological methods used in transplant medicine, ie methods of HLA typing. Quality control is part of the quality management system. It consists of several components: validation, verification, internal quality control and external quality assessment. Each medical laboratory, including laboratories engaged in HLA typing, these elements must be applied to its routine operation. Validation is done before the introduction of methods and verifies whether the method is correct for the intended use. Verification is to verify that the validated method is used correctly in laboratory conditions. Internal quality control is based on an analysis of known positive and negative samples and evaluate the accuracy and precision of the whole analytical process. The external evaluation of the quality of the different laboratories analyze the same sample and the results are compared to each other.

Key words: HLA typing, validation, verification, internal quality control, external quality assessment