By accurate detection of disease, medical diagnostics have shown huge potential for saving hundreds of thousands of lives. The "in Vitro Diagnostics (IVD) medical devices' has revolutionized the modern medical diagnostics. It ensures a patient the accurate diagnosis and rapid treatment. The IVD medical device' means a device, whether used alone or in combination, marketed by the manufacturers’ for the in-vitro examination of specimens derived from the human body solely or principally to provide information of diagnosis, screening, monitoring, predisposition, prognosis, prediction, and determination physiological status. These IVDs include reagents, calibrators, control materials, specimen receptacles, software, and related instruments or apparatus or other articles. IVDs vary in complexity and cost, starting from a simple Immuno-chromatographic strip to multi-million dollar automated instruments, which can perform thousands of tests within an hour in a laboratory. Comparing with the earlier times, the use of IVD medical devices has increased many folds. Currently more than 8000 generic medical device groups are available.

World Health Organization (WHO) recommends, promotes and facilitates access to safe, reliable, appropriate and quality IVD technologies and laboratory services in an equitable manner. Manufacturing of quality products helps physicians to make a proper diagnosis and management of patients. To ensure this, the health care providers should purchase the diagnostic test kits that have sufficient sensitivity, specificity, positive and negative predictive values. There are various quality guidelines including Good Manufacturing Practice (GMP), Good Laboratory Practice (GLP), Good Clinical Practice (GCP) etc.

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Key words: In vitro diagnostics, Low quality, Resource poor countries.
organizations. This deficiency in regulatory supervision is degrading the quality of the health care system. Most of the developing countries do not have technical support and sufficient resources to develop their own infrastructure that will assure quality of both imported as well as indigenously produced diagnostic reagents and kits. As a result, IVDs are often marketed in the developing world without any formal evaluation of their performance and effectiveness. In the absence of any policy guidelines and adequate infrastructure, the health laboratories offers substandard diagnostic kits, thus adversely affecting the quality of clinical care and public health activities. This situation demands a more comprehensive approach for regulation and enforcement of law against substandard IVDs in resource-poor settings. For the safety and effectiveness of drugs, although a national regulatory process is established in developing countries, which has done much to improve the standardization and quality of drug, drug trials; unfortunately regulatory standards are often lacking for IVDs. In all the countries of the South-East Asia Region of World Health Organization (WHO SEARO), a national regulatory authority for assuring quality of pharmaceutical products is functional. The indigenous production and import of various pharmaceutical products is regulated by this agency with appropriate legislative support and legal framework. It is suggested that this existing legal framework could be used for the establishment of policy guidelines for quality assurance of IVDs. These guidelines may be used to structure a regulatory system and to ensure accurate diseases diagnosis in these countries. It is hoped that a comprehensive approach would help to increase access of good quality of medical diagnostic kits to the patients. The problem that happened in Aesop's famous fable was the technical complexity for mice to determine precisely how to solve their "cat trouble" by placing a bell around its neck. Similarly the present problem of use of non-standardized and low quality IVDs for medical diagnosis is well understood but how and who will stop this is the crux of matter.

**Further reading:**

1. Global Regulatory Requirements for Medical Devices, Sandra Brolin
5. Guidelines on Quality of Diagnostic Reagents for Health Laboratories, World Health Organization Regional Office for South-East Asia, New Delhi, December 2001