

A Rapid Diagnostic Kit for Early Detection of Acute Leptospirosis

TECHNOLOGY DESCRIPTION

This technology is a device to detect acute leptospirosis to diagnose quickly and to provide aggressive medical treatment to avoid mortalities.

TECHNOLOGY FEATURES

This technology is a diagnostic kit with specific antibodies (LipL21) to capture LipL21 proteins from leptospires circulating in the blood during acute stage of leptospirosis. Instead of detecting antibodies, this kit detect proteins from the leptospires which are circulating in blood during acute stage of infection. It is simple and rapid and can be performed by anyone and anywhere.

ADVANTAGES

- Simple and rapid
- Easy to handle
- Can be made available to clinics in remote areas
- It detects infection as early as day 1.
- This kit has high specificity, sensitivity, and stability

INDUSTRY OVERVIEW

Prospect: Rapid Medical Diagnostic Kit Manufacturers

This product is categorized under rapid Medical Diagnostic Kits market. The global market for Rapid Medical Diagnostic Kits (MDKs) has been witnessing steady, growth over the past few years, and this trend will likely sustain over the future years. Asia Pacific is expected to show highest growth rate in the rapid medical diagnostic testing kits market owing to factors such as, increasing infectious disease prevalence, increasing awareness about the rapid medical diagnostic tools and increasing disposable income of the population within this region. The global market for Rapid Medical Diagnostic Kits was estimated at US\$19.4 billion in 2014 and US\$20.4 billion in 2015 and further expected to maintain a CAGR of 5.7% between 2014 and 2020. The market is further estimated to reach a projected US\$27 billion by 2020. The market for this product can be segmented on the basis of application, technology and geography. Geographically, North America dominates the global rapid medical diagnostic kits market, followed by Europe. In the near future, North America is expected to continue this dominance. Meanwhile high infectious disease rates in African countries will drive the growth of rapid medical diagnostic kits market in these countries. Some of the companies in the global rapid medical diagnostic kits market are Abbott Laboratories, Abaxis, Inc., Trinity Biotech Plc, Alere, Inc., Danaher Corporation, BioRad Laboratories, F. Hoffmann La Roche, Becton Dickinson & Company, MegaCor Diagnostik GmbH, MegaCor, and Zoetis, Inc.



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