



المؤسسة اللبنانية للتنمية الاقتصادية والاجتماعية  
Institut Libanais de Développement Économique & Social  
Lebanese Institute for Economic & Social Development

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# Medical Laboratory

**Feasibility study prepared by:  
Nicole Houry, accounted and business administration.**

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The points of view expressed in this study reflect the author opinion.

## Summary

A medical laboratory is a medical facility formed by a set of different machines and equipments that handles body and fluid specimen in order to be processed and tested. Investing in such project can become very productive if there is good load of work. Hospitals in general rely on their medical laboratory as a major source of income.

In a well equipped laboratory hundreds of tests can be performed with limited cost. In this case, the study will be limited to a primitive medical laboratory established in a village. This laboratory will handle the hematology section, urine analysis section and biochemical analysis section. Each section mentioned needs its own equipment and different methods of analysis.

By law, the manager of a medical laboratory should be a doctor who should also have a BS in Medical laboratory or a pharmacist with a medical laboratory diploma. He might be able to run alone the lab, but with the help of a qualified assistant, productivity will definitely increase. Any local of 110 m<sup>2</sup> is sufficient for a medical laboratory.

The investment needed for such project is 21 337 \$US, a credit company will finance 9 000 \$US of the total Investment or part of the equipment needed.

This laboratory will deal mainly with patients who are covered medically either by the government through its national security services, by the army, or simply by private insurance companies where the patients pay the bill take their receipt and go to get refunded from their insurance company.

Sales are assumed to increase by 10 % yearly going from 42 000 \$US in the first year till

61 488 \$US in the fifth year. In turn, the net profit rises gradually along the years from, 3 445 \$US in the first year till 15 179 \$US in the fifth year going from 8,2 % of sales in the first year till 25 % of sales in the fifth year.

Many factors help in the success of such investment. Accuracy, credibility, good contacts with doctors and patients, awareness in interpretation of results are all important in increasing sales volume and improving reputation.