

SPECTROPHOTOMETER

Features

Providing 100% Virtualized Spectrophotometer!

Offering Various Test Samples!

Allowing Teacher Set Up Tips and Sample Value!





Brief Description

The main purpose of the lab is to familiarize students with the spectrophotometer and its use. The students first calibrate the instrument using a reference solution of known concentration. The concentration of unknown samples is calculated according to the transmittance value of this solution.

In reflecting on the usefulness of the spectrophotometer simulation, the students enjoyed the individual and repetitive practice they could engage in. They envisioned that this experience would help them with their lab practical exams as well as fine-tune their skills in operating the spectrophotometer in the actual lab. Overall, the students found the virtual labs to be an interface where they could learn and practice in spite of making errors. They also acknowledged that the simulations were realistic and helped in demonstrating certain processes that were not easily represented in the actual lab.

SYSTEM REQUIREMENTS

Operating System	Windows 98/2K/XP/VISTA/7
RAM	256MB
Processor	Intel Pentium3 or advanced

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