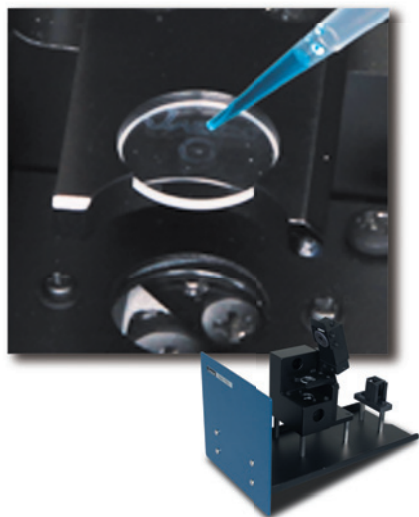


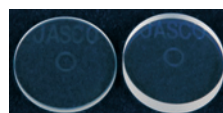
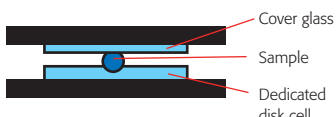
New Accessories for the V-600 Series UV-Vis/NIR Spectrometers

SAH-769 One Drop Accessory



Precise analysis of micro-volume samples for Life Science Studies

The SAH-769 One Drop accessory is a dedicated accessory for the V-600 Series to measure micro-volume samples of protein and nucleic acid. The sampling procedure is quite easy, by simply placing a droplet of a sample on the disk cell window, providing rapid measurements within 20 seconds per sample. The minimum sample volume is 5 μL for the standard 1 mm pathlength disk cell, while 0.6 μL can be used for the optional 0.2 mm pathlength disk cell. The shorter optical pathlength allows measurements of high concentration samples without dilution. A precise optical pathlength is maintained, assuring excellent reproducibility of measurements.



Dedicated disk cell for SAH-769

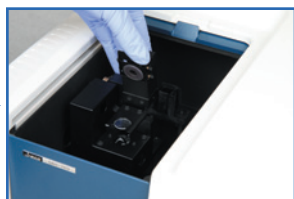
Optical pathlength : 1 mm (left), 0.2 mm (right)
Sample volume : 5 μL (left), 0.6 μL (right)

Quick, but highly accurate measurement by a research-grade spectrophotometer Only 20 seconds per sample.



Step 1

Drop a sample on the cell.



Step 2

Set the cover glass.



Step 3

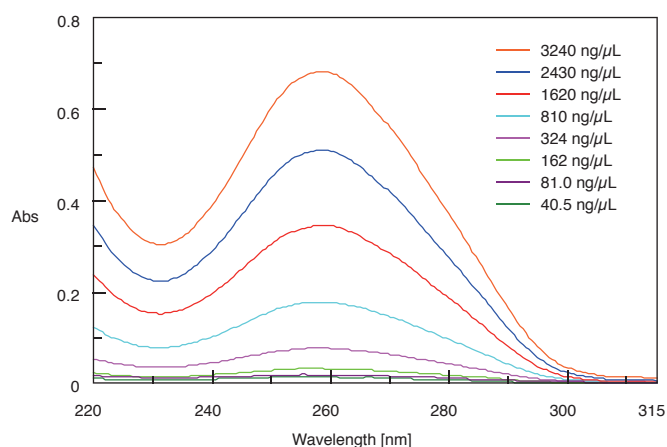
Push the start button.



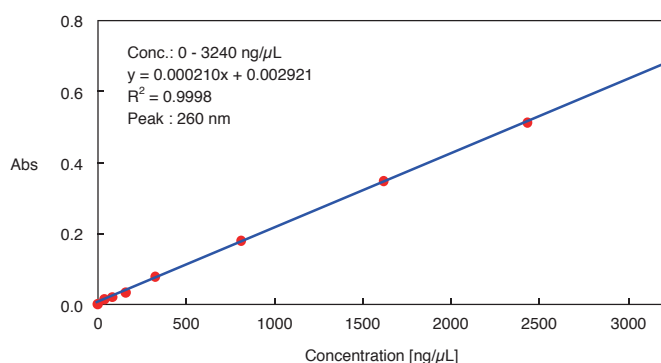
Step 4

Wipe the sample off.

Quantitative analysis of calf thymus DNA using a cell with a 0.2 mm pathlength Only 0.6 μL sample volume is required.



Spectra of calf thymus DNA solutions



Calibration curve of calf thymus DNA

The figure illustrates good linearity up to approx. 3000 ng/ μL . This is equivalent to a linearity up to 35 Abs by using a 10 mm pathlength cell.