

## 105.800 TrayCell

### Application

### Particular characteristics

- Measurement of DNA/RNA at low concentrations
- Determination of labeling efficiency
- Dimensions equivalent to a standard cuvette
- Works with 4 to 5 µl sample volume in almost all spectrophotometers
- Filling, measuring and cleaning within seconds



The Hellma TrayCell is a fibre-optic micro cell. It is designed for measurements of DNA/RNA samples and enables highly accurate analysis of extremely small samples with remarkable reproducibility. The dimensions of the cell are equivalent to a standard cuvette in order to work in almost all spectrophotometers.

During filling and cleaning stages, the cell remains in the photometer. That guarantees a continuously identical position of the aperture in the light beam and no variation of the results in comparison to the reference measurement.

After removing the top cover, the sample to be measured is pipetted directly onto the surface of the measuring cell. 4 to 5 µl is enough! When the cap is put on again, the sample can be measured. For cleaning the surface is simply rubbed dry with a soft tissue or a pad. If required, the usual solvents can be used.

Due to the integrated beam deflection and the use of fibre-optic cables it is possible to measure the sample directly on the surface of the optical window. The sealing element ("top cover") provides a well-defined optical light path of 1 mm. It can be locked and comes with openings to prevent pressure build-up when being closed.