

Product Name :
Portable Fluorometer

Product Code :
ANT-PMC0018

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Description :

Portable Fluorometer

Technical Specification :

Measuring device equipped with light emitting diode (LED) technology and graphic LCD display.

Assembled and packed in a portable case.

No need for user calibration.

Light source: LED lamp

Staff qualification: 1 day training

Weight: Device: 0.45kg

Sample volume per analysis: 0.5mL

Linear range: 50-3000 mcg RE/L

Time per analysis: < 10min

Optimal measuring temperature: 20-30°C

Variation: < 10%

Method comparison Validated against HPLC

Display: mcgRE/L

Analysis method: Fluorometric

Principle of method: Auto fluorescence of vitamin A

Data transfer: Included (via USB cable)

Analyte: Retinyl palmitate, retinyl acetate and retinol

Sample type: Foods, e.g. vitamin premixes, sugar, flour, milk and breast milk

Life span of approx. 30 000 hours of the LED - 10 million measurements.

Sample preparation: None for liquid samples; homogenisation and dilution in water for solids



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