

SPECTORD® PLUS

Applications in Clinical Chemistry and Health Care



CLINICAL CHEMISTRY

Plenty of determinations for medical purposes are carried out easily and comfortably using spectrophotometry. This includes routine analysis as blood tests, e.g. for the determination of hemoglobin, iron or cholesterol. Moreover diverse special analysis can be made using spectrophotometers, as for example:

Ammoniac/urea	Bile acid
Citrate	Catalase
ALA	Cholesterol
Free fatty acids	Alkaline phosphatase
G-6-PDH	Lactate
Triglyceride	Pankreolauryl
PBG-Porphobilinogen	Porphyrin
Pyruvate	Hemoglobin



COSMETICS



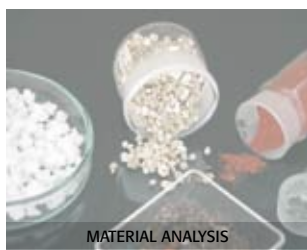
FOOD/AGRICULTURE



PHARMACY



CHEMISTRY/POLYMER INDUSTRY

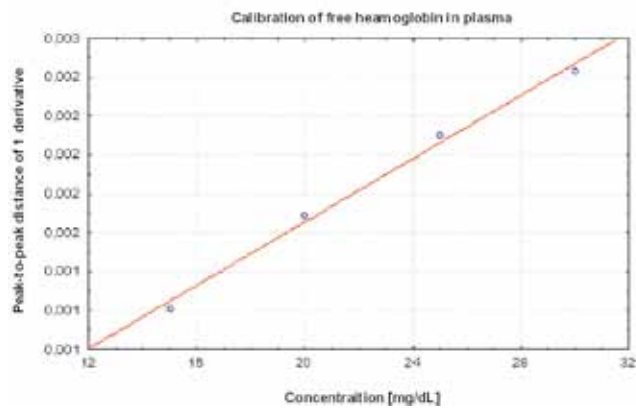


MATERIAL ANALYSIS



ENVIRONMENT/WATER/WASTE

Enzymatic determination of bile acid in blood



Calibration curve of free haemoglobin in plasma

Many determinations particularly in routine analysis can be performed straightforward via test kits. Temperature controlled accessories guarantee reliable results, since many determinations have to be carried out under real conditions, for instance the determination of bile acid in blood at a body temperature of 37 °C. Temperature controlled cell changers furthermore enable a high sample throughput.

Thanks to an extensive collection of enzymatic methods in the WinASPECT® PLUS software, the determination of the corresponding substance with the relevant measurement setting, sample sequence and evaluation is performed automatically.



Method of bile acid in the WinASPECT® PLUS software

Recommended instrumentation

Device option	SPECORD® 50 PLUS	822-0050P-2
	SPECORD® 200 PLUS	823-0200P-2
	SPECORD® 210 PLUS	823-0210P-2
	SPECORD® 250 PLUS	823-0250P-2
Accessory option	8 Cell changer, thermostatted with stirrer	820-60227-P
	8 Cell changer, Peltier thermostatted with stirrer (-5 °C to 105 °C)	820-60228-P
	2 x 8 Cell changer, Peltier thermostatted with stirrer (-5 °C to 105 °C)	820-60239-P
Software	WinASPECT® PLUS software includes methods for enzymatic kinetic analysis in standard software package	

Analytik Jena AG | Analytical Instrumentation

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Subject to changes in design and scope of delivery as well as further technical development!

