



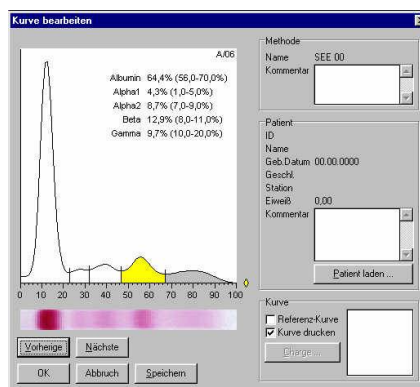
K R E A T I V E   E L E K T R O P H O R E S E - T E C H N I K

## **TurboScan.**

The universal and flexible high-performance densitometer for your clinical laboratory.



Universal electrophoresis densitometer *TurboScan*



Screen copy of the menu item "Process graph"

- Universal and flexible analysis equipment for the clinical laboratory
- The latest digital image analysis technology
- Analysis programs and analysis masks can be individually defined
- Irrespective of filters, special light sources or staining methods
- High resolution and excellent reproducibility
- High analysis speed
- Extremely simple to handle and comfortable to use
- Reliable, reproducible results
- Analysis results clearly displayed on the monitor
- Clear printout of results
- Software runs under, XP / VISTA / Win 7

■ **TurboScan: The new generation of densitometers.**  
Once again Biotec-Fischer is leading the way in modern analysis technology with the digital analysis system TurboScan. No other system offers comparable flexibility and comfort. The TurboScan translates users' expectations of a densitometer into reality. Non-essential gadgets have deliberately been left out. Functionality, reliability and operator comfort are the maxims.

■ **Universal use.**  
In terms of flexibility, TurboScan puts all previous systems in the shade. It allows you to create as many individually generated scan masks as you wish. You can also select as many analysis methods as you wish. No other system offers so many options. In clinical work, for example, you can use TurboScan for analysis in the following applications: serum protein electrophoresis, lipo-protein electrophoresis, haemoglobin electrophoresis, Hb-A1 electrophoresis, urine electrophoresis, CSF electrophoresis, Bence-Jones, isoenzymes, iso-electric focusing, multifractional electrophoresis, blots and lots more. It does not matter whether you carry out your methods on dry or wet cellulose acetate strips, on agarose and on other gels or you work with micro, semi-micro or macro application.

■ **Digital image analysis technology for reliable results.**  
TurboScan uses the latest digital image analysis technology. The advantages to you are obvious: analysis only takes a fraction of the time and the results obtained are reliable with excellent reproducibility. At the same time TurboScan is based on commercial hardware components. The advantage to you - you can use existing PC hardware and save costs.

■ **Perfect analysis.**  
TurboScan has a very high analysis speed. An A4 page is scanned in only 15 seconds. For the standard template with 64 traces, this means an average scanning speed of 0.23 seconds per separation. The high resolution guarantees reliable results with excellent reproducibility. The analysis data are clearly presented on the colour monitor. The printout shows all the relevant data in a clear form, starting with the image of separation, the graphs, then the laboratory and patient data through to the results in percentages and absolute figures, the normal ranges and your comments.

■ **Easy to operate.**  
In most laboratories, lack of time is a major problem, so careful attention was paid to this aspect when developing the TurboScan. Despite its flexibility and multiple options, it is therefore simple and comfortable

to operate. Even under pressure, you will easily find your way round the TurboScan and sources of error are greatly reduced.

■ **The TurboScan software.**  
The TurboScan software lies at the heart of the system. It reflects more than 30 years' experience in this field of electrophoresis analysis. TurboScan automatically recognizes the fractions and assignments present. Each individual separation is automatically coded and every fraction outside the normal range is automatically identified optically. You merely have to look up the result and interpret it. As a matter of course, TurboScan offers you a variety of correction possibilities. You can easily set or delete minimums, correct the baseline, curves of graphs or the albumin factor. After any amendment, TurboScan naturally recalculates all the data for you.

■ **With data processing connection.**  
You can easily connect TurboScan to your DP unit via bi-directional RS-232 interface. This guarantees data exchange between TurboScan and your DP equipment.

■ **Delivery details.**  
TurboScan is available as a complete system (hardware and software) or separately. We will be glad to advise on which components would meet your needs.

(Specifications may be subject to change)

**Specifications:**  
**Program:**  
TurboScan software on CD-ROM  
**Hardware:**  
PC (Celeron), 256 MB RAM, scanner and inkjet printer  
**Operating System:**  
WINDOWS (98 / NT / 2000 / XP / VISTA)  
**Patients' Details:**  
first and family name, DOB, sex, ID number, department, total serum protein, comments  
**Analysis:**  
automatic fraction recognition and assignment, automatic coding of

each separation, labelling of fractions outside the normal range  
**Corrections:**  
set or delete minimums, baseline correction, graph correction, albumin correction  
**Printout:**  
in A5 format with illustration of the separation, the graphs, patient's details, laboratory data, analysis results in percentages and absolute figures, normal ranges, total serum protein, comments  
**DP Connection:**  
via RS-232 interface, bi-directional

**Masks:**  
A4 format, create, save and retrieve as many individually created masks as you wish  
**Methods:**  
create, save and retrieve as many individually generated analysis methods as you wish; tolerance range for automatic fraction recognition can be freely selected; automatic correction factors for each method can be freely selected

(Specifications may be subject to change)

## Ordering information:

Code	Product	Quantity
331000	electrophoresis densitometer <i>TurboScan</i> , complete system (hardware and software)	1 system
331010	TurboScan software	1 disc
331020	complete hardware package for TurboScan	1 set

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