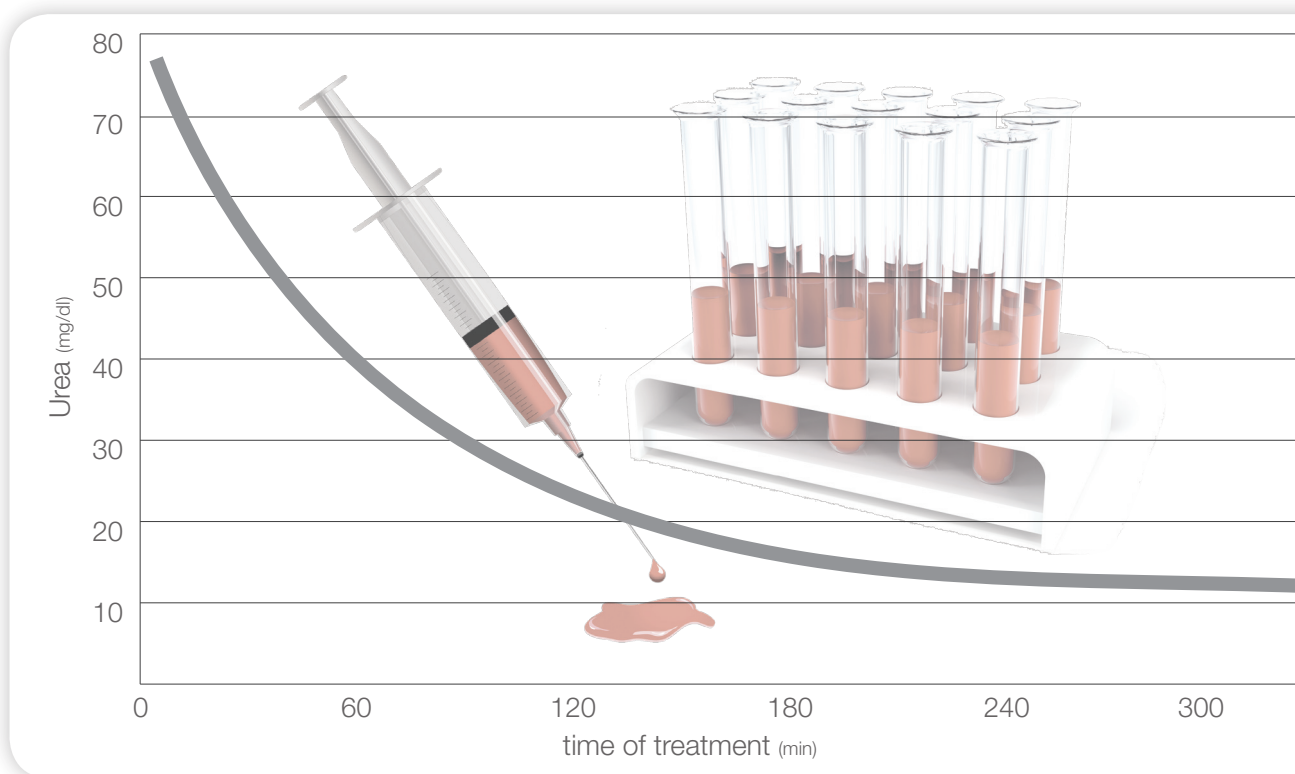


Kt/V measurement

# Dialysis Dose Monitor

Measuring the delivered dialysis dose





# Dialysis Dose Monitor establishes dialysis quality reaching goals through Kt/V measurement

## Positive long-term prognosis & better quality of life for your patients!

The delivered dialysis dose influences the long-term prognosis of patients. Several studies\* have proven, that a positive long-term prognosis, and a better quality of life of patients depends on the actual delivered dialysis dose.

Unfortunately, this is not always the case. Insufficient clearance performance can have various reasons:

- No counterflow of blood and dialysate due to incorrect connection
- Decreased clearance performance of the dialyzer due to secondary membrane formation
- Shunt recirculation
- Frequent alarms of the dialysis system causing blood pump stop and/or dialysis fluid bypass
- Reduced effective blood flow etc.

## Higher demands on the standards of dialysis quality.

Health policy institutions constantly increase the demands on higher standards of dialysis quality. This trend can be seen in many countries. For that purpose, Kt/V (urea clearance) is seen as a central quality parameter for the quantification of the delivered dialysis dose. In some countries it serves as a basis for the refund of expenses, and the evaluation of dialysis quality.

The main objective is to optimize the delivered dialysis dose, and to enable you to create a complete documentation of the dialysis efficiency.

The optional Dialysis Dose Monitor (DDM) can help achieve your goals.

### \*Literature

Greene T, et al. (Hemodialysis Study Group):

**Association of achieved dialysis dose with mortality in the hemodialysis study: an example of „dose-targeting bias“**  
J Am Soc Nephrol. 2005 Nov; 16 (11): 3371-80. Epub 2005 Sep 28.

Depner T, et al (Hemodialysis Study Group):

**Dialysis dose and the effect of gender and body size on outcome in the HEMO Study**  
Kidney Int. 2004 Apr; 65 (4): 1386-94.

Port FK, et al:

**Dialysis dose and body mass index are strongly associated with survival in hemodialysis patients**  
J Am Soc Nephrol. 2002 Apr; 13 (4): 1061-6.



## Advantages of the Dialysis Dose Monitor:

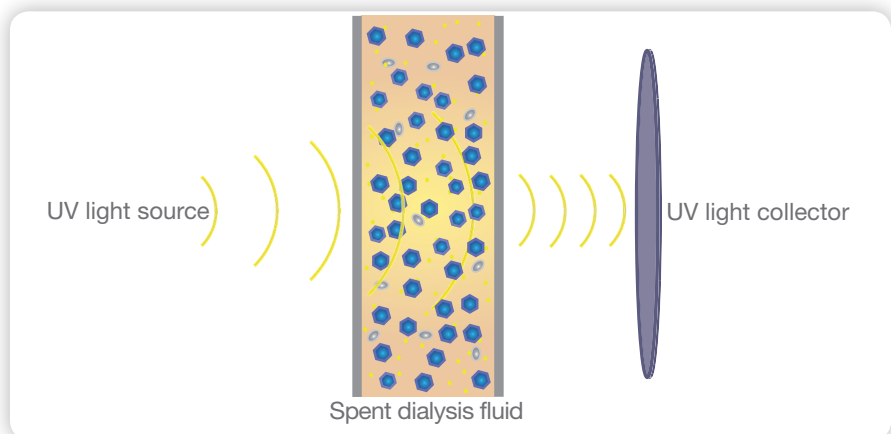
- Real-time monitoring
- Recognize treatment inconsistencies
- Complete documentation of the delivered dialysis dose
- Easy handling
- No additional disposable costs

## It's a matter of measurement.

A sensor located directly in the spent dialysis fluid measures the absorbance at a wavelength which directly correlates with urea concentration in blood.

The continuously measured values are inserted in the formulas for single pool Kt/V (spKt/V) and urea reduction ratio (URR) and the results are immediately displayed to you.

Type of measurement: Absorptiometry

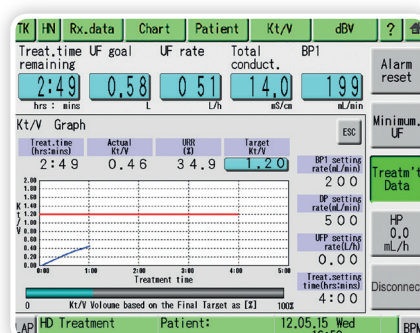


## Reaching treatment goals

Reaching the individual treatment goal for your patients can only be achieved by always knowing the actual status. At the same time, changes of treatment regime and necessary adaptations of treatment parameters must be considered.

By using the Dialysis Dose Monitor, you can see deviations from the treatment goals at an early stage, and react in time.

DBB-07 screen:  
Display of the Kt/V value against  
the treatment goal during dialysis treatment.



## Easy handling, accurate result

The Dialysis Dose Monitor is easy to operate. The Dialysis Dose Monitor is activated automatically after entering the parameters.

As it is not necessary to enter the distribution volume, which is normally estimated using approximation formulas, you can expect accurate results.



# Always close to you

## Competent partners

For all questions concerning dialysis and our products, please contact us or our local partner:

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#### Local partner

