



CE Mark Pending

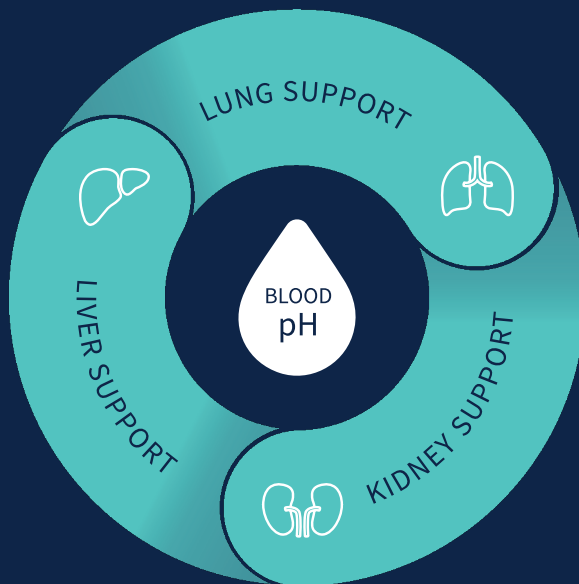
Designed & Manufactured
in Munich, Germany

ADVOS BK300

Blood Purification - Next Level

ADVOS multi Procedure

Individually Tailored Therapy For Patients With an Indication For Multi-Organ Support



Liver

Removal of protein-bound toxins

Lungs

Fluid-based CO₂ removal in a low-invasive setting

Kidney

Removal of water-soluble and protein-bound nephrotoxins

Blood pH

Correction of metabolic and respiratory acidosis

The mortality rate of patients in multi-organ failure rises with the number of failing organs and still remains alarmingly high. These critically ill patients require extensive extracorporeal organ support. The management of such therapies in the ICU is highly complex and results in a significant operational workload.

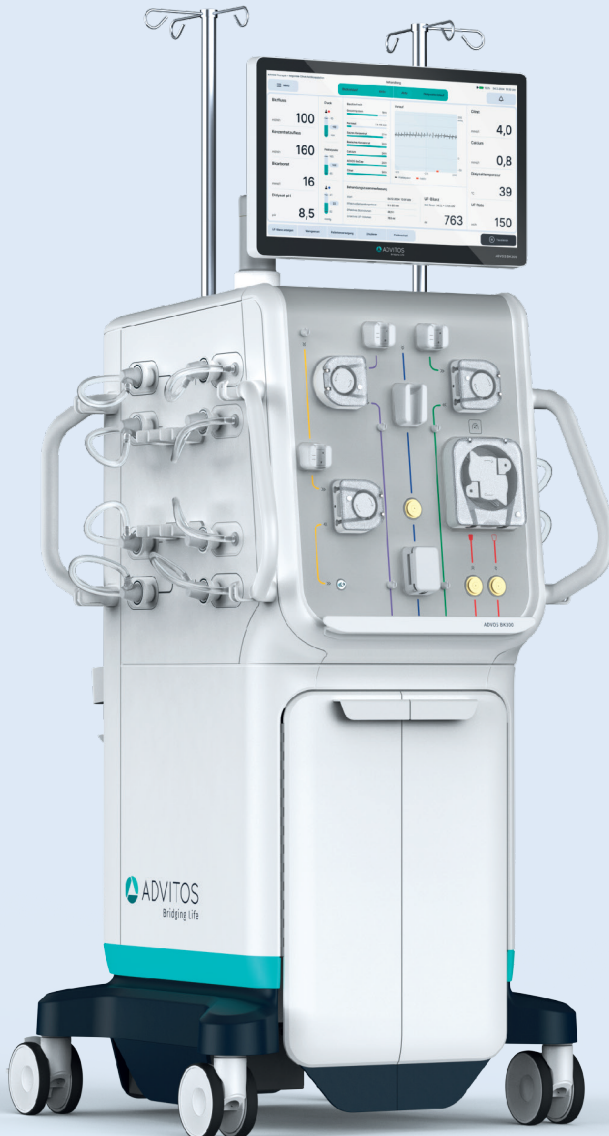
ADVOS multi is the world's first therapy for individualized multi-organ support

ADVOS multi is a single extracorporeal system that can individually support the detoxification functions of the kidneys, liver, and lungs, while effectively correcting acid-base disorders. The ADVOS multi procedure uses a dialysate enriched with human albumin, which is permanently processed in a recirculation circuit.

The preparation of the dialysate ensures a consistently high detoxification performance of protein-bound and watersoluble substances. Individualized blood detoxification is made possible by the unique option to adjust the pH value and control the bicarbonate levels of the dialysate during the therapy.

The Next Generation ADVOS BK300

A New Era in the Extracorporeal Blood Purification



The new generation ADVOS BK300 is a unique platform that enables a comprehensive range of fully integrated extracorporeal blood purification therapies with a treatment duration of up to 72 hours (RRT - Renal Replacement Therapy).

The therapy can be flexibly adjusted: Depending on the parameter settings and the disposable set used, it can be targeted at one or more lead organs or adapted to one or more therapy goals.

The user can choose between two therapy modes:

1 ADVOS multi Therapy

for the removal of protein-bound and/or water-soluble substances and/or acidosis correction, e.g., in patients with liver failure, kidney failure, acidosis, multi-organ failure, intoxication or severe shock.

2 ADVOS RRT

for the standard renal replacement therapy.

The Innovative ADVOS BK300 Offers:

- Holistic therapeutic approach in the extracorporeal blood purification
- Individually adjustable settings for targeted removal of water-soluble and protein-bound substances
- Unique acidosis therapy for targeted correction of acid-base disorders
- Flexible anticoagulation options: regional citrate anticoagulation (RCA) available in all therapy modes
- One-of-a-kind recirculation circuit: effective blood detoxification during the entire treatment period through continuous regeneration of the recirculating dialysate
- Low invasive procedure: blood access using conventional dialysis catheter and low blood flow rates

Unique Fluid-Based Acidosis Correction

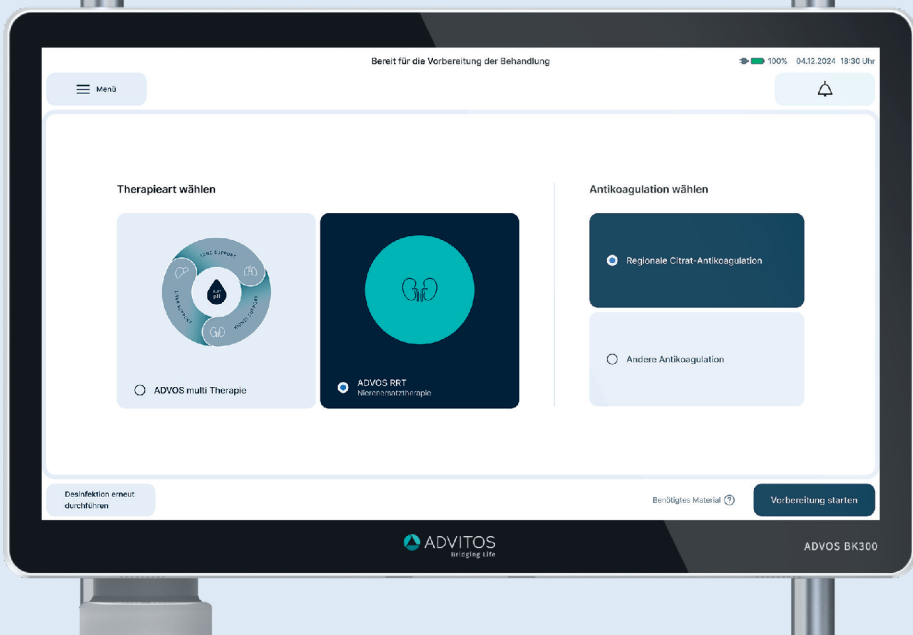
The ADVOS procedure enables physiological and fluid-based removal of H^+ ions and CO_2 for the treatment of metabolic and respiratory acidosis.

Acidosis therapy is effectively tailored to each patient's needs by precisely adjusting the pH value and bicarbonate content of the dialysate.

ADVOS BK300 enables a scalable acidosis correction through:

- pH management using dedicated ADVOS concentrates (acid and base)
- Variably adjustable bicarbonate levels of the dialysate during the therapy





ADVOS RRT: Renal Replacement Therapy in the ICU **redefined**

Individual clearance depending on each patient's needs and course of treatment

The ADVOS BK300 provides a comprehensive solution in the treatment of acute kidney injury (AKI). From intermittent dialysis (iHD, SLED) to continuous renal replacement therapy (CRRT), it covers the entire spectrum of dialysis procedures in a single device and setup. Thanks to the adjustable settings for blood, dialysate, and concentrate flow rates, the ADVOS BK300 offers optimal flexibility for every patient.

ADVOS RRT Advantages:

- Regional citrate anticoagulation (RCA) possible throughout the entire dialysis spectrum
- Metabolic alkalosis can be prevented by flexible bicarbonate adjustment
- Treatment duration up to 72 hours possible
- No need for therapy fluid exchange over 24 hours made possible by optimized configuration of all dialysis fluids
- Sustainable water supply with optimized fluid management based on 80 liter container concept



**Find out more
about the ADVOS
BK300 here**

Enhanced Usability:

Device Interactions Minimized to Maximize Workflow Efficiency in the ICU

Structured Workflows

Flawless arrangement of tubing lines by color-coded system

Quick Set-Up and Intuitive Operation

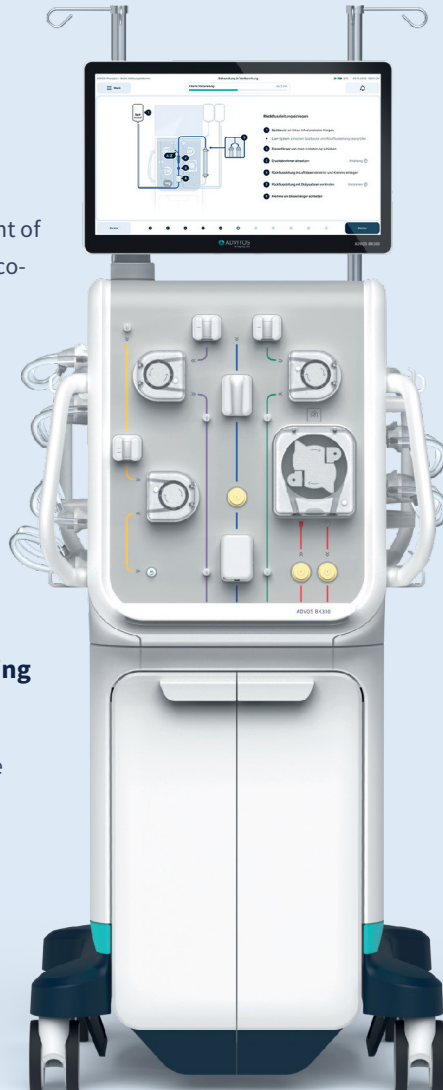
Seamless device operation with help of integrated graphic instructions

Ergonomic Handling

Streamlined fluid container and device management

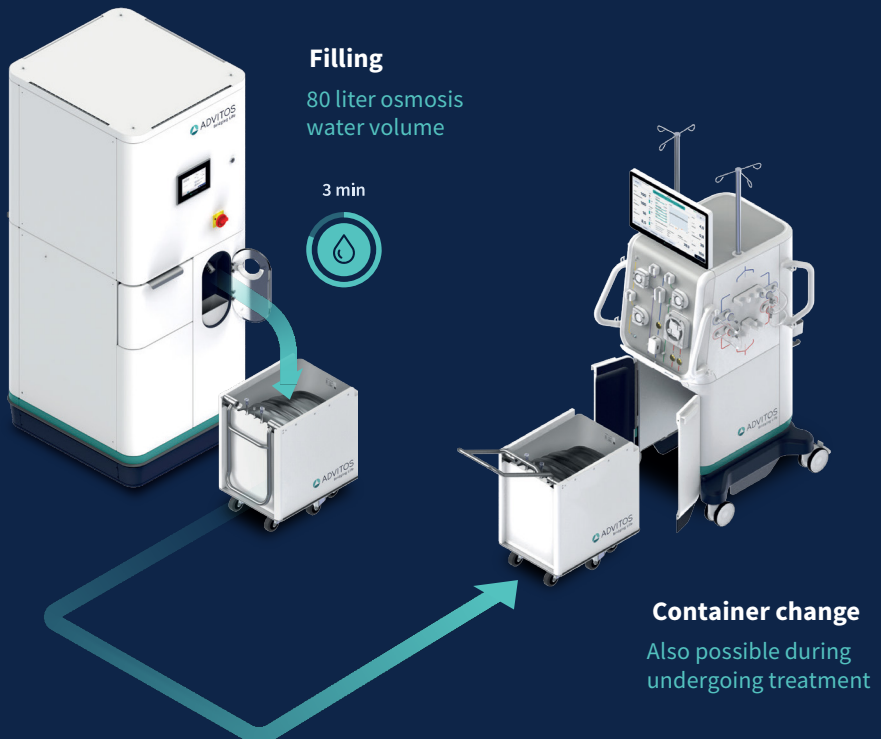
Simply Structured Monitoring of the User Interface

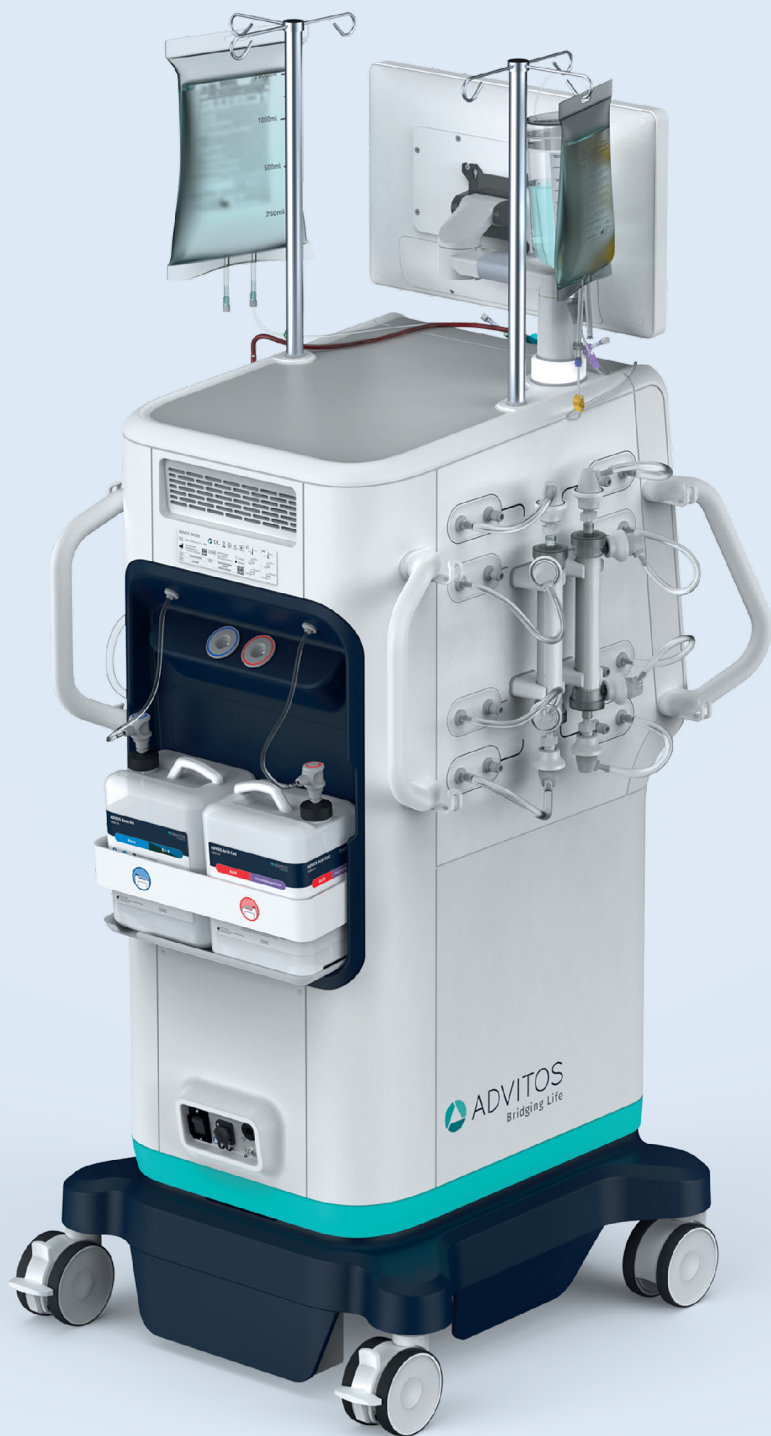
Traffic light system for quick status checks



Optimized Permeate and Filtrate Management

- **Compact design:** Integrated 80 liter container saves storage space and eliminates the need to change fluid bags during treatment.
- **Efficient water supply:** It takes less than 3 minutes to fill the fluid container using a dedicated reverse osmosis system **ADVOS Aqua** ensuring the highest standard of water quality.
- **Maximum flexibility:** Application in any hospital unit possible.





Safe Blood Purification

Safe Medication Dosing Guaranteed Under the Extracorporeal Therapy

The screenshot displays the 'ADVOS Dialyse' application interface. On the left, a vertical sidebar contains icons for 'DoseEasy' (a syringe), 'RRT' (kidneys), 'Rechner' (a calculator), and 'Hinweise' (a lightbulb), with the text 'ENGLISH' at the bottom. The main area features a list of dialysis modes: 'Kontinuierliche Dialyse', 'Kontinuierliche Hämodiafiltration', 'Intermittierende Dialyse', 'SLED Dialyse', and 'ADVOS Dialyse' (highlighted in green). To the right, there are input fields for 'Restnierenfunktion' (0 ml/min) and 'Blutfluss' (300 ml/min). Below these, a dropdown menu shows 'Meropenem i.v.' as the selected 'Arzneistoff'. A 'Dosierung' field is set to '6000 mg/24h'. A note specifies: 'In severe infection 4000 mg/24h for CNS infections 6000-8000 mg/24 h should be used as base dose.' At the bottom right are 'Zurück' and 'Berechnen' buttons.

Calculation of drug dosing under ADVOS therapy **now available in the CADDy calculator**



Calculator to Approximate
Drug-Dosing in Dialysis (CADDy)
<https://www.doseeasy.de>

Contact us:

ADVITOS GmbH
Agnes-Pockels-Bogen 1
80992 Munich

advos.bk300@advitos.com
www.advos-bk300.de



ADVOS connect

Scan the QR code and join our community on Siilo!

The product is currently undergoing a conformity assessment acc. to the Medical Device Regulation (MDR) 2017/45 (EU) and is pending CE-marking prior market introduction.