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## **Gambro launches the AK 96™- a new dialysis machine to deliver hemodialysis treatment with the highest level of quality and safety**

**As a leading innovator in renal care, Gambro launches the AK 96 machine that takes the best of its predecessor, the AK 95 S, and improves upon it by enabling more flexibility and greater savings for dialysis providers.**



The AK 96 machine is developed with changing economic and market needs in mind, providing reliable high quality care innovative features and high value. It is a substantial improvement, highly relevant in most markets, as it brings features from top of the range dialysis machines into a compact modular system.

Its innovative features such as the Diascan® system and a completely new user interface enable consistent and flexible high quality conventional HD treatments to be carried out in the simplest way. The standby mode allows providers to be flexible in fluid preparation and save both water and concentrate. With a range of configuration options, the AK 96 machine can be tailored to meet the needs of all dialysis providers who demand quality with improved operational efficiency.

“It is our ambition to always act with renal patients and our customers at the top of our minds. Dialysis should be simple, safe and effective and therefore I feel extremely happy to present AK 96, which has been developed with these requirements in mind,” says Michael Lewis, President EMEA.

The AK 96 will be available from February 2008 in the following markets: UK, Ireland, Middle East, Africa, Canada, India, Vietnam, Pakistan, Hong Kong, Singapore, Indonesia, and Thailand. Subsequent markets will be added throughout 2008 and 2009. **The AK 96 is currently not for sale in the USA.**

For more information about AK 96 and other Gambro solutions for delivering in-center hemodialysis please contact your local Gambro office. Contact details can be found at the Gambro web site ([www.gambro.com](http://www.gambro.com)).

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*Gambro is a global medical technology company and a leader in developing, manufacturing and supplying products, therapies and services for In-center Care and Self Care hemodialysis, Peritoneal Dialysis, Renal Intensive Care and Hepatic Care. Gambro was founded in 1964 and has more than 8,000 employees, production facilities in 11 countries, sales subsidiaries in more than 40 and sales in more than 100 countries.*

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**More information about the AK 96 and its features**Diascan system

The Diascan system is a non-invasive fully automated on-line feature that enables real-time clearance surveillance and Kt/V measurement. With a reduced need for blood sampling, the Diascan system enables improved control and consistency in treatment delivery. With the Diascan system, prescriptions are always delivered to the patients.

The Gambro Hygienic Chain

The Gambro Hygienic Chain is designed to prevent biofilm and bacterial growth and stop endotoxins from reaching patients. This reduces the risk of treatment-related inflammatory episodes, microbiological side effects and possible exposure to toxic disinfectants for better patient outcomes.

On the AK 96 machine, the chain includes full control and traceability through recorded disinfection history, maintenance programmability, complete integration with water treatments, UFD kit for ultrapure dialysis fluid, 93°C heat disinfection and a drainable single pass fluid path. This comprehensive approach reduces the endotoxin contamination level in dialysis fluid – a factor that has been shown to reduce micro inflammation and improve the response to erythropoietin therapy<sup>1</sup>.

Control in concentrate dosing

The Gambro AK 96 machine enables individual parameter settings for concentrate composition. With conductivity and flow-rate controlled concentrate dosing, coupled with a deviation alarm, the machine ensures the best patient treatment is delivered in the safest way.

The A and B concentrate pumps operate independently with conductivity regulating each concentrate pump speed in two different feedback loops. Separate deviation alarms control each component with another alarm controlling the concentrate pump ratio to detect any incorrect proportioning.

Battery back-up

The integrated battery back-up secures treatment flow in geographical areas prone to fluctuating electrical supplies, as well as a smooth termination of treatment in cases of longer interruptions.

Completely separate control and protective systems

Unlike many less sophisticated machines, the AK 96 machine has been designed with separate hardware for the control and protective systems, including separate CPU boards, AD-converters and connecting media such as wires. This design ensures that each system operates independently for a higher level of safety.

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<sup>1</sup> Matsuhashi N et al Nephron 2002; 92 (3): 601-604