

## Efficiency in food and energy processes

GEA Delbag filter solution with antibacterial properties

### **SepTex<sup>®</sup> against bacteria and mold**

**Herne, Germany, 15 April 2011 – GEA Air Treatment GmbH, of Herne, Germany, now offers bag filters with antibacterial properties. The filters feature antimicrobial protection as a result of a special, patented production process. SepTex<sup>®</sup> filters are accordingly highly effective for hygienically sensitive areas such as hospitals and the food and pharmaceuticals industries.**

Tests conducted by DEKRA have attested that SepTex<sup>®</sup> filters demonstrate inhibiting or destructive action against pathogens. In this testing, DEKRA applied the pathogens *Candida albicans*<sup>\*</sup>, *Staphylococcus aureus*<sup>\*\*</sup>, and *Legionella pneumophila*<sup>\*\*\*</sup> to samples of SepTex<sup>®</sup> fleece, each 4 cm<sup>2</sup> in size. After 24 hours, none of these pathogens was in evidence. After only three hours, staphylococcus concentration had fallen below the limit of detection.

Delbag MULTISACK SepTex<sup>®</sup> bag filters are available beginning now, in filter grades F5 and F7. In addition to its antiseptic action, this filter material demonstrates fire-protection properties in its FireTex<sup>®</sup> version, which allows neither smoke nor droplets to form in case of fire. As a result, FireTex<sup>®</sup> filters are effectively suited for applications in which hygiene and safety are critical.

\* *Candida albicans* is a widespread hospital mold that can lead to serious skin and wound infections.

\*\* *Staphylococcus aureus* is a typical hospital pathogen that can cause wound infections.

\*\*\* *Legionella pneumophila* is a rod-shaped pathogen known as the cause of Legionnaires' disease and Pontiac fever.

Readers with questions can address their queries to:  
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Image:  
candia\_albicans\_ENG.jpg



Comparison hygiene testing showed samples not provided with SepTex<sup>®</sup> protection on the left, and samples with SepTex<sup>®</sup> protection on the right. Test results show that the new SepTex<sup>®</sup> filter material has antiseptic effects.

Image:  
Chart\_Testergebnis\_CandidaAlbigens.jpg

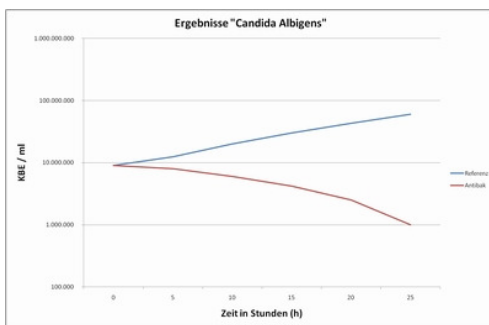
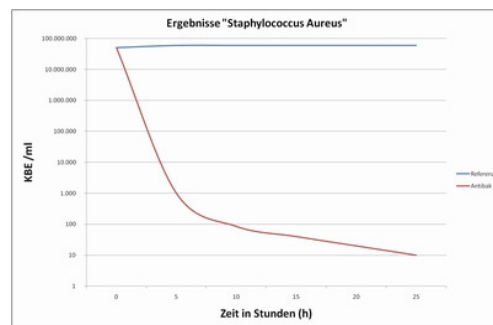


Image:  
Chart\_Testergebnis\_StaphylococcusAureus.jpg



Scientific proof: mold and bacteria have no chance in HVAC solutions with GEA Delbag SepTex<sup>®</sup> filters.

## GEA Heat Exchangers / GEA Air Treatment

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### **About GEA**

GEA Group Aktiengesellschaft is one of the largest systems providers in the food and beverages industries and in energy production. Group sales in 2010 were more than 4.4 billion euros. As an internationally active technological enterprise, GEA Group has concentrated on process engineering and components for demanding production processes in a wide range of end-user markets. The Group generates around 70 % of its sales in long-term growth industries for food, beverages, and energy. As of 31 December 2010 the Group internationally employed more than 20,000 staff. In its business areas, GEA Group is among the leading companies on the market and in technological developments. GEA Group is listed on the German MDAX stock index (G1A, WKN 660200).