



# IBFE

Institut für Biotechnische  
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## aquaBENOVA GmbH

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### Report No.: 1360113-a

Sample material: aquaBENOVA-CLEAN - drinking water disinfection, in a plastic container IBFE-No: 1360113  
Project: aquaBENOVA GmbH  
Testing number: 1360113  
Customer: aquaBENOVA GmbH

Yr. Order from: 29.01.2013  
Sample receipt: 29.01.2013  
Start of analysis: 29.01.2013  
End of analysis: 02.02.2013

#### Method for testing with *Salmonella*:

2 x 1 litre sterile tap water were contaminated with the bacteria *Salmonella* sp. to get a total cell concentration of 1,5 million *Salmonella* per litre water. The first preparation was treated with 1,5 ml aquaBENOVA-CLEAN and mixed thoroughly. The second preparation was not treated and served as a control for the viability of the test organism during the trial period. At the times mentioned in the table below the germ content of both preparations was determined. The spatula method on XLD - agar was used for the untreated preparation and respectively 100 ml of the with aquaBENOVA-CLEAN treated preparation were filtered according to DIN EN ISO 19250.

Incubation time	Germ content of <i>Salmonella</i> in untreated tap water	Germ content of <i>Salmonella</i> in tap water treated with aquaBENOVA-CLEAN
1 hour	> 200 <i>Salmonella</i> in 100 ml	5 <i>Salmonella</i> in 100 ml
3 hours	> 200 <i>Salmonella</i> in 100 ml	<i>Salmonella</i> not detectable in 100 ml

#### Conclusion:

One litre water was contaminated with 1,5 million *Salmonella* sp. bacteria, after addition of 1,5 ml aquaBENOVA-CLEAN and an incubation time of 3 hours no *Salmonella* were detectable in 100 ml of such treated water.

Kirkel-Limbach, 13.02.2013

approved

  
(Dr. Heiko Ewen, Head of Laboratory / Quality Control)

1/1

The results refer exclusively to the tested samples. The accreditation applies for the testing methods denoted in the accreditation. It is prohibited to copy parts of this report without the written authorisation of IBFE GmbH.

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