



antibac

Product Information

The active agent

Certification

Examples for usage



PRODUCT INFORMATION:

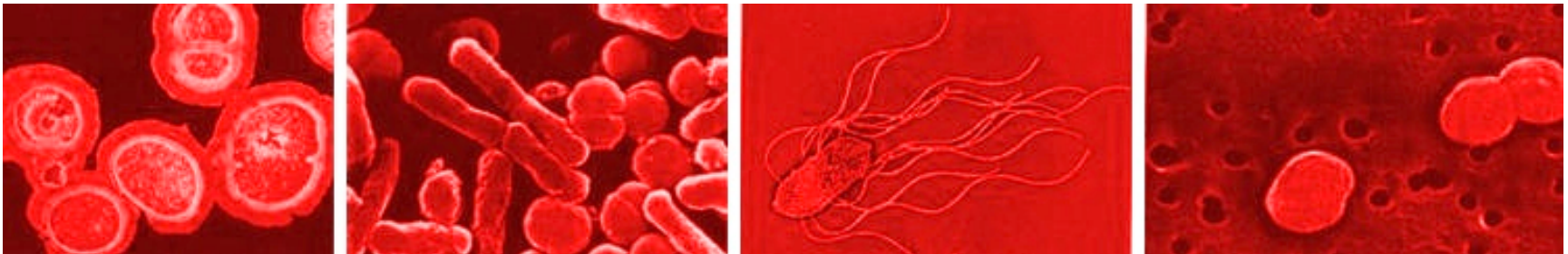
- Retractable ballpen with an unique, permanent antibacterial effect
- One-of-a-kind: also the print is antibacterial
- Ergonomic grip sections and distinctive, broad clip
- X20 plastic refill, writing colour blue or black
- Colour white opaque
- Own website especially designed for this product, that shows all product advantages
- Product value integrated in the tooling, therefore recognisable for the end-user
- „antibacterial“ mark at the pusher + URL „www.antibacpen.com“ at the clip
- Made in Germany
- Item number: 2645
- Available from December 2009



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ACTIVE AGENT:

- Affects germs, viruses and fungi
- Successfully tested against the most virulent bacteria: C.Difficile and MRSA
- Equally effective against: Listeria monocytogenes, Salmonella enteritidis, Escherichia coli, Bacillus cereus, Aspergillus niger, Pseudomonas aeruginosa, Klebsiella pneumoniae, Saccarmyces cerevisiae, Penecillium purpurogenum
- Kills 99,9% of the bacteria in a period of 24 hours
- Effective for the entire lifetime of the pen, since the active substance is incorporated directly into the moulding material and not just superficially applied



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ACTIVE AGENT:

- The active agent is UV proof and water-insoluble, also scratch and wear resistant
- The antibacterial component is already being successfully used in other industries (e.g. detergents, carpets, furniture, playgrounds, door handles, insoles, shampoo, tooth brushes) and is approved by the FDA (U.S. Food & Drug Administration), the BPD (E.U. Bionocide Product Directive) and the HSE (UK Health & Safety Executive)



CERTIFICATION:

Certificate of Analysis



Customer: Premier Finishes
 Test Date: 17 June 09

Test Method: EN 20645


Sample	Inhibition Zone (mm)		Result
	<i>C. difficile</i> ATCC 9689 *	<i>C. difficile</i> ATCC 9689 *	<i>C. difficile</i> ATCC 9689 *
No 10, S0904239	6		PASS
No 12, S0904240	6		PASS

***Non standard organism used for the test.**

Modification to the test method: Test performed using Fluid Thioglycollate Medium and under anaerobic conditions.

Pass Criteria: > 1mm zone of inhibition or complete absence of growth.

Conclusion: The samples tested meet the requirements for *C. difficile*.



 LARISSA TAYLOR
 Technical Director

DATE: 23 June 09

- Effect tested by FDAS (Food & Drug Analytical Services Ltd.) and certified according to BS EN 13697 and BS EN 20645 (test procedure to determine the effect of an antibacterial treatment)
- Tested positive to EN 71/3 and EN 71/9

EXAMPLES OF USAGE:

- Unique effect for the daily use, operates day or night, 24 / 7, always active
- Finishes with harmful bacteria, viruses and fungi and offers hygienic protection against microbes
- Reduces risk of infection and spreading of germs
- Ideal for use in banks, hospitals, schools, petrol stations, supermarket
- checkouts - anywhere where a pen goes through many hands

