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Gesellschaft für Unternehmensberatung, Marketing und Vertrieb mbH

# The Dermalux® System - an ideal training aid for personnel hygiene and infection control

## Immediate visualisation and more effective instruction with the fluorescence method

*Staff, trainees and students both in hospitals and care homes require hand hygiene instruction, as do personnel in the food and pharmaceutical industries, as well as in the restaurant trade. Training sessions using the Dermalux® System provide all training stages within just one unit: Using this method the risks of cross-contamination, which arise simply from shaking hands, can be quickly revealed, just as correct hand disinfection and hand washing can be demonstrated along with the recommended skin safety measures. Whereas the standard method used to be microbiological testing with an incubation period of up to 48 hours to provide evidence of hand contamination, the fluorescence method can be used to make invisible contamination of the trainees hands immediately visible during training.*

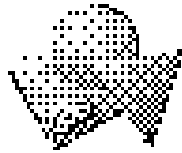
You could check by traditional microbiology. However microbiology takes at least 24 hours, which does not make it an ideal instrument for short, separate courses. That's the reason why the Dermalux® System is just a perfect medium to make invisible dirt on hands visible immediately by means of the fluorescence method.

Using the Dermalux® System one can manage not to really "control" people but to sensitize their awareness of hygiene necessities in a simple and extremely effective way within seconds. Test results show this for years. Very soon instructors will also develop the feeling for the communication possibilities of the fluorescence method. They also discover, in which way they can create some fun for the participants of the courses without making them feel like a "fool".

### **How to conduct training using the Dermalux® system**

Before even welcoming the trainees, the trainer applies invisible Dermalux® test lotion onto his hands in daylight, and greets the participants by shaking their hand. The Dermalux® Checkbox makes the cross-contamination of the trainees' hands visible, and creates a lasting educational impression. The trainees experience just how easily and quickly contamination can be transferred. This increases hygiene awareness and motivates the trainees to carry out the necessary hand-washing and disinfection processes.

The correct method for hand disinfection can then also be simulated and instructed in an easily remembered way. Training substances developed especially for this application based on standard disinfectants available on the market, are applied to the hands by the trainees in the same way as for hygienic hand disinfection. The areas on the hands to which the substance has not been applied are displayed straight away. Tests have shown that the areas between the fingers and around the beds of the nails are frequently left out, for example. Re-application or correct application can be demonstrated and practised directly underneath the Dermalux® Checkbox. This means that participants are instructed in improved methods of applying standard disinfectants as part of the training. It is important here to ensure that all parties have been contacted by hand first to ensure that the substance is left on for the required amount of time.



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The correct way to wash hands can also be demonstrated as part of the training process. The participants, with test product applied to all parts of their hands, are asked to wash their hands. A subsequent check underneath the Dermalux® Checkbox indicates the places which are frequently missed when washing: nails and nail beds, balls of the thumb, knuckles and, to the surprise of many right-handers, for example, the tip of the right thumb. It is then advisable to wash the hands once more.

The range of potential training components can be supplemented as required. In many fields it is advisable to explain what disinfected dirt is, and at the end of the training participants should also know how to correctly apply to the hands the skin protection preparations which healthy skin needs.

### **The components of the Dermalux® System**

With its compact and open design the Dermalux® System after all presents itself as an elegant solution for all hygiene training purposes in daily practice. The system has scientifically proved to be a suitable didactical media of visualization by means of the fluorescence method. Because of its extraordinary quality it is e.g. also highly recommended by the insurances (Berufsgenossenschaften) and specialists for occupational health in the skin care sector. One reason is that the Dermalux® System was created in close cooperation with Professor Peter Elsner, University Clinic of Dermatology in Jena, Germany.

The portable Dermalux® Checkbox has been professionally developed for this specific training purpose on the basis of practical requirements by industrial designer Kai-Uwe Witte in Offenbach, Germany. It is equipped with UV tubes, and a specially designed technical device ensures that the lighting remains at the optimum level inside the unit. The unit costs EUR 845.00 plus VAT and postage for mains operation, but is also available in a battery-operated version. A transport and display case is available, and a removable trolley can also be ordered as an accessory. Since the end of 2002, the Dermalux® Multimedia Cam which is available as an accessory to the UV unit has also been available for picture playback via a TV unit or beamer.

Impressively effective as a communicative device, Dermalux® test products provide the perfect complement to the system. The test products need to be sufficiently authentic, but the main aim is to ensure that the training runs smoothly. For this reason they provide high luminosity, emit a clean white colour, feel comfortable on the skin and contain only the minimum level of hypoallergenic perfume necessary. Test items for different fluorescence applications are also being developed and produced by KBD GmbH under contract to customers in industry.

Ordering options, prices, descriptions, press releases, graphical material, technical details and safety data everything is easy to find on the Internet at our website [dermalux.de](http://dermalux.de) and can be downloaded as and when required.

Get additional information and place your orders here:  
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