

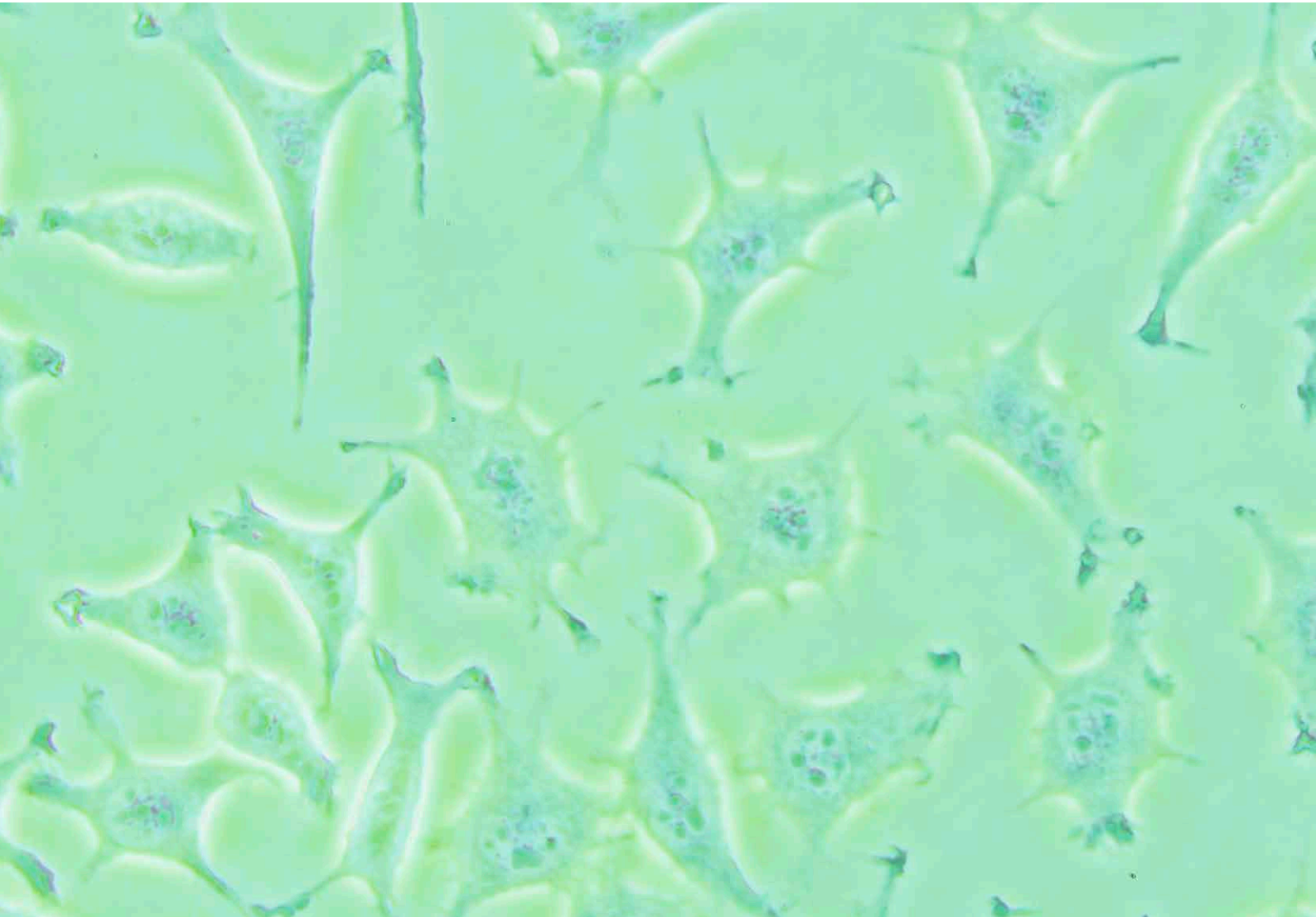
# How safe is safe?

Body compatible textiles bear the FKT label



# The power is in the quality

Friedrich Wilhelm Nietzsche



# Science doesn't compromise: Body compatibility is an indispensable quality feature

## Association of leading manufacturers

Fördergemeinschaft Körperverträgliche Textilien e. V. (FKT) is an association of strong partners from the textile and clothing industry that has committed itself to the assessment and labelling of body compatible textiles.

Responsible manufacturers utilise FKT's consulting competencies to optimise their products and to inform the public.



## FKT's label for body compatible textiles

FKT awards the label „MEDICALLY TESTED – TESTED FOR TOXINS“ which is a reliable quality label for textiles that are tested independently while strictly adhering to scientific guidelines. It labels textiles that don't release any chemicals that may irritate the skin or damage a person's health.

This unique to the market combination of tests for harmful substances and for sensitive effect-based body compatibility provides double tested safety. The manufacturers of high-quality textiles use this scientific certification to verify their quality standards and build up a high degree of trust with their end customers.

# Double tested safety: Combined test for body compatibility and harmful substances

## Added value that makes the difference

Responsible consumers ask for more safety when buying textiles and they expect manufacturers to have their products tested and certified beyond what is required by the law.

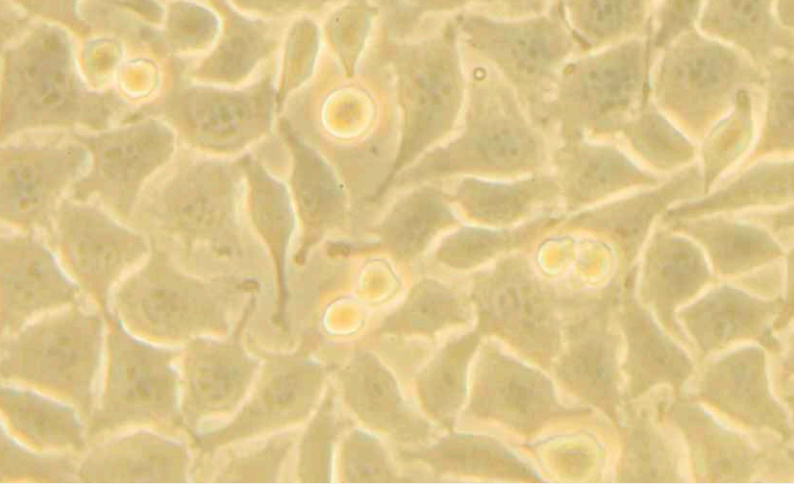
Conventional tests for harmful substances don't provide sufficient safety because they usually only cover an extremely narrow range of predefined substances. Their limits hardly ever consider the release rates for harmful substances while wearing a textile product or the possible effects of such substances when they are absorbed through the skin.

## Developed by scientists

The FKT tests not only examine the content of harmful substances but also verify a textile product's body compatibility by testing the direct effects of the product on skin.

An intense simulation of the wearing situation may release substances from the textile product that are critical for its body compatibility. These substances are tested for toxic or inflammatory effects on skin cells.

The basis of these high-quality testing standards we can promise are strictest skin compatibility tests that are in line with the approval criteria for medical devices.



## The FKT Test Method

### Test for body compatibility

#### Step 1: Wearing simulation and substance transfer

- > Release of unbound substances and chemicals from the textile product under the simulation of intense wearing conditions.

#### Step 2: Fibroblast cytotoxicity test

- > Checks the toxic effect of extracted substances on connective tissue cells.

#### Step 3: Cytokine test with keratinocytes

- > Checks the inflammatory effect on skin cells.

### Test for harmful substances

Works with the same limit values and criteria as the OEKO-TEX® Standard 100, product class 1.

### Safety and security for manufacturers and consumers

This unique to the market combination of tests for harmful substances and for sensitive effect-based body compatibility provides double tested safety – for the manufacturers of high-quality textiles as well as for the consumers. Certified textiles bearing the FKT label „MEDICALLY TESTED – TESTED FOR TOXINS“ are proven to be compatible with the body and do not release any substances that irritate the skin or are hazardous to health. The FKT label represents an important criterion for the decision-making of wholesale customers and consumers when buying textiles.

FKT collaborates with the independent testing laboratories of the ITV Denkendorf Produktservice GmbH (ITVP) that are accredited by the DAkkS (Deutsche Akkreditierungsstelle) under DIN EN ISO/IEC 17025. This guarantees that the tests are conducted in accordance with the standards and meet the highest quality requirements, according to objective measures.

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## Merged expertise: Leading textile manufacturers partner with FKT

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