

For infections



Photo-activated
Therapy



PACT^{MED}



Device class	Class IIa (93/42/EEC)
Wavelength	620 - 630 nm
LED Diode Power	Approx. 10 W
Output Power	Approx. 1.200 mW/cm ²
Emission Time	Depending on indication: 30 s – 9,5 min.
Light Guide	Replaceable fibre glass applicator ø 10 mm (autoclavable 134° C)
Power Supply	Operating voltage 100 - 220 V/50 - 60 Hz or Accumulator Li-Ion 3,7 V/2000 mAh
Working Time	Permanent current or approx. 30 min. with fully loaded accumulator
Dimensions L x W	50 x 110 x 160 mm
Weight	Approx. 350 g (without stand)

PACT® MED Accumulator-Set

- 1 x PACT® MED
- 1 x Accumulator Li-Ion + charging device
- 2 x anti-glare shield (plug-on)
- 1 x case
- 1 x stand

CUM 1070312

Supplies:

PACT® MED 100-220V adapter

- for operating the PACT® MED Accumulator-device on the power supply system

CUM 1071130

PACT®

99,99 % of all bacteria are killed.
Without any side effects. No resistances.



Photosensitizer Gels



PACT® Antifungal NailGel

The PACT® Antifungal NailGel was specially developed for application to toenails and fingernails and it only works in combination with exposure to light from a PACT® MED light device. Other light sources or red light must not be used with PACT® Antifungal NailGel.

- Photosensitizer Gel for PACT® Onychomycosis Therapy (30 ml)
CUM 1001768
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PACT® WoundGel

With PACT® WoundGel you can treat superficial infections and burns, in combination with the PACT® MED or PACT® DERMA phototherapy device. A rapid healing is supported by a moist environment. PACT® WoundGel in combination with PACT® DERMA can also be used for the treatment of bigger wounds and infected wounds under supervision of a medical expert.

- Photosensitizer Gel for PACT® Wound Healing Therapy (30 ml)
CUM 1001766
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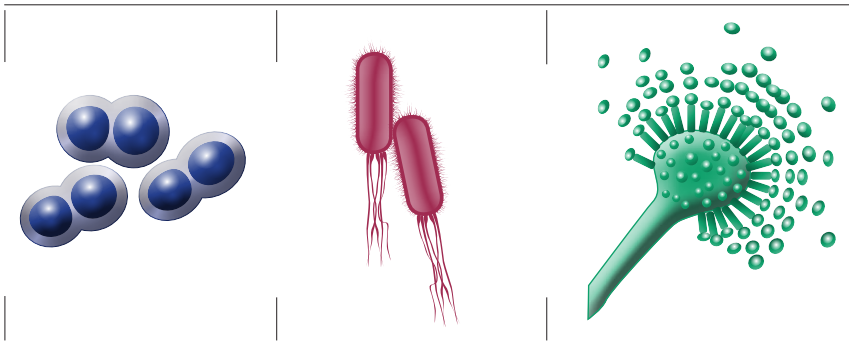
PACT®

Bacteria

gram-positive

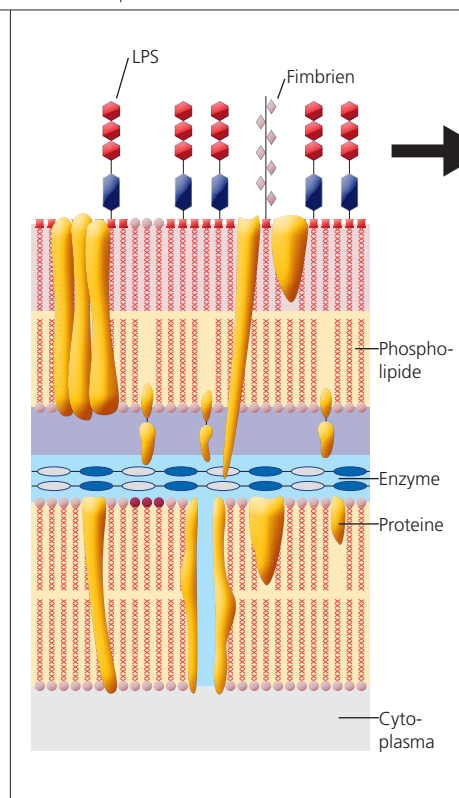
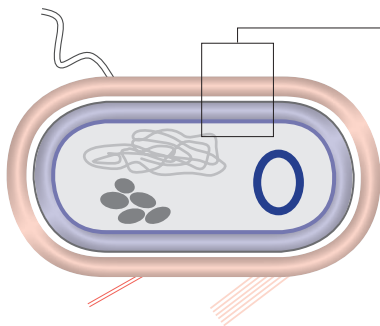
gram-negative

Fungi



Attribute → Cell Walls

Lipopolysaccharides (LPS)



Ground State
residence time PACT®
photosensitizer.



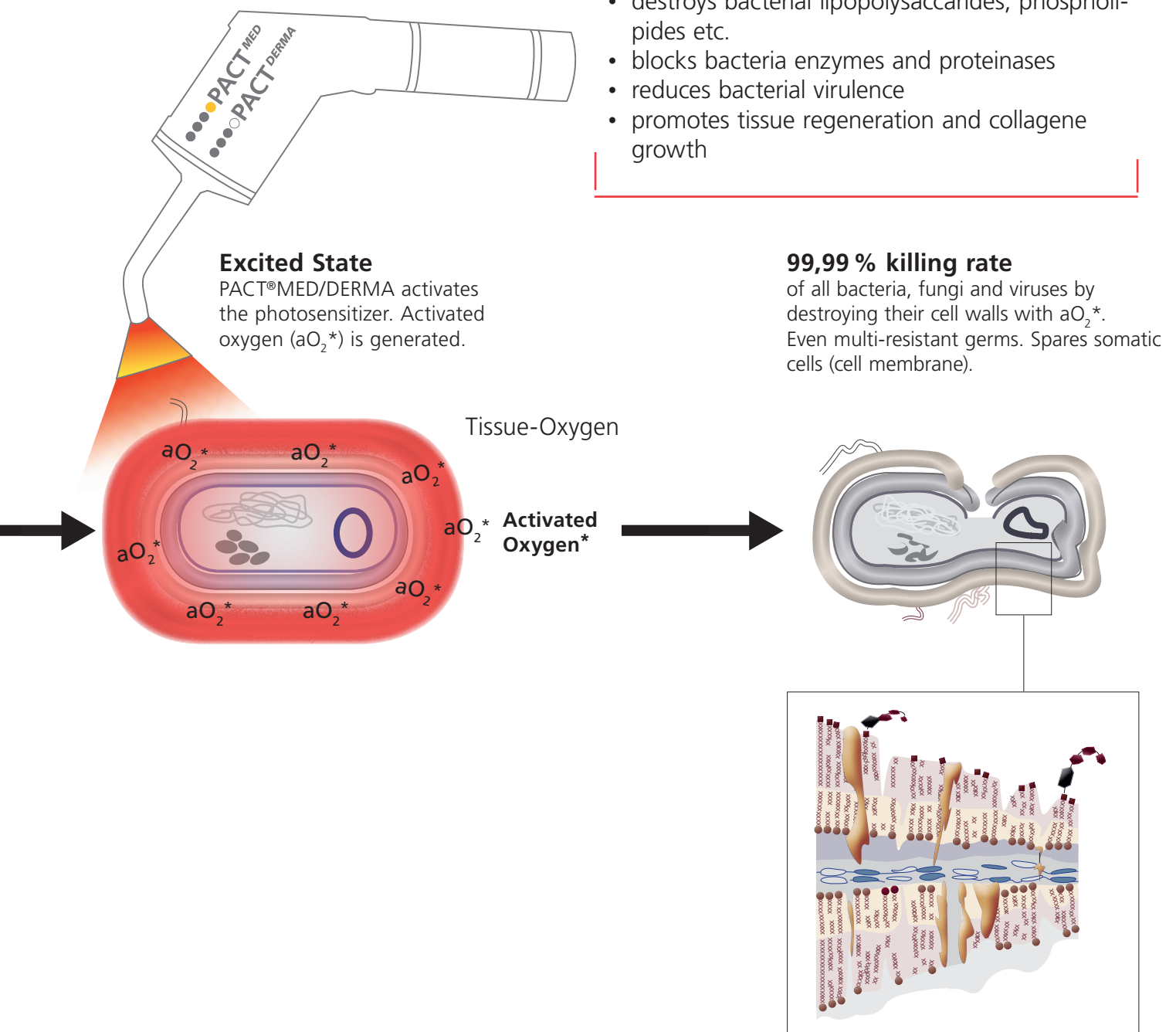
Mode of Action

PACT®

- kills gram-positive and gram-negative bacteria and also fungi, analog to the mechanism of the granulocytes in our host response (activated oxygen)
- destroys biofilms and cell walls
- destroys bacterial lipopolysaccharides, phospholipids etc.
- blocks bacteria enzymes and proteinases
- reduces bacterial virulence
- promotes tissue regeneration and collagen growth

Excited State

PACT®MED/DERMA activates the photosensitizer. Activated oxygen (aO_2^*) is generated.



PACT®

Broad spectrum bactericide

PACT® often replaces local antibiotic therapy, also in case of antibiotic-resistant germs.

PACT® can sustainably inactivate and dissolve biofilms, reduces viruses and fungi – without discoloration, without any side effects.

PACT® improves the treatment of bone infections and ulcers.

PACT® improves the prognosis of bone and soft tissue surgery.

PACT® can be used easily and economically.

PACT® can be delegated to the assistant.

PACT® has over 10 years of experience, countless scientific studies.

PACT® is recommended by german and international experts.



Clinic

The used photosensitizer tolonium chloride has been proven safe for the therapy of poisonings for a long time. Primarily such patients attracted attention by getting sensitised by light. From this the photo-activated therapy with tolonium chloride was developed.

Under irradiation with the PACT® photo-therapy devices PACT® MED and PACT® DERMA, the applied PACT®-sensitizer attacks, after short residence time, the cell walls of bacteria and fungi. Thereby, PACT® is also effective against antibiotic-resistant bacteria as well as deep under the surface.

After therapy the dye is rinsed off without residue. Nothing hinders wound healing. Regeneration is promoted.





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