

IMAGINE HOW YOU  
CAN PERFORM  
WITH DEVAN'S

# R-VITAL

## Skin care technology

### SKIN CARE THROUGH TEXTILES

The R-VITAL skin care technology enables textile manufacturers to boost their textiles with a range of active ingredients that offer protection against skin-ageing caused by free radicals in our body.

The technology fuels our body's natural defence mechanism against free radicals (which declines as we age) and therefore, has an anti-ageing effect.

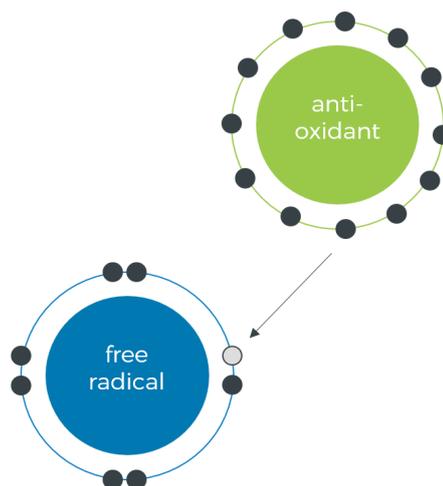


### FREE RADICALS

A free radical is an atom or group of atoms that has an unpaired electron and is therefore unstable and highly reactive. Free radicals will steal an electron from a neighbouring molecule to stabilize itself. When it succeeds, its victim will turn into a free radical itself. This causes an excess of free radicals and increases the speed of the skin-ageing process.

### ANTIOXIDANTS

Antioxidants are our body's natural defence mechanism against free radicals. They make free radicals harmless by donating an electron and prevent DNA from being damaged. Unfortunately, as we age, this mechanism becomes less efficient.



### HOW IT WORKS

Active ingredients are encapsulated and applied to the fabric. The treated textiles touch our skin and nourish it. Ingredients like Ubiquinol, the advanced CoQ10, are absorbed by our skin and transported throughout our body where they can disarm free radicals and reinforce other antioxidants.

Our skin is the largest organ in our body so it is an ideal means of transportation for these kinds of revitalizing solutions.

### ACTIVE INGREDIENTS

Our range of active ingredients and antioxidants is continuously evolving. This is what we have to offer for the time being:

- Aloe vera
- Green Tea
- Rooibos
- Vitamin E
- Thyme oil
- Sea Kelp
- Ubiquinol
- ...

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### MIGHTY UBIQUINOL

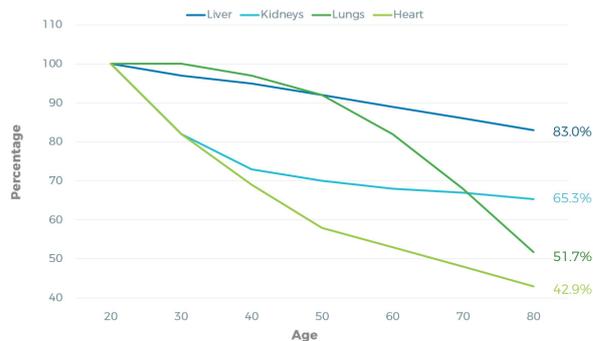


Ubiquinol is the body-ready, reduced form of Q10 and is found everywhere in our body. The co-enzyme has two main benefits:

1. It donates an electron to free radicals to make them harmless and it regenerates weakened antioxidants.
2. It improves the energy production/transportation in the mitochondria.

Unfortunately, as we age, the amount of ubiquinol naturally produced within the body drastically decreases.

Ubiquinol production in the body vs age



Source: Amendment from A. Kalen et. al. (1989) Lipids, 24 579



### APPLICATION METHODS

- Padding
- Spraying
- Exhaustion
- Printing
- Foaming

Possible applications: Bedding, Bed accessories, Sleepwear, Shapewear, Sportswear, Comfortwear, Socks, Underwear, etc.

### ADVANTAGES

- Gradual release, long lasting & wash-durable
- Environmentally & skin friendly
- Patented technology
- Create your own blend

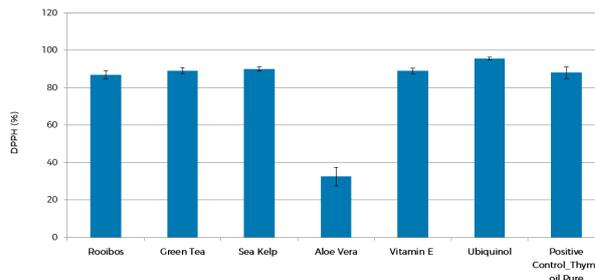
### CREATE YOUR OWN BLEND

Choose multiple active ingredients and create your own blend for a truly unique product.

Example of a combination:

- skin improvement blend: aloe vera (smoothes skin) + Sea kelp (cellulitis) + thym oil (blood circulation).

Also possible to combine with a fragrance of choice.



Antioxidant activity: total potential if 1 g/m<sup>2</sup> applied