

What Does It Measure?

The Corneofix® is a special foil **collecting corneocytes** (flakes of dead skin cells). The number, size and thickness of the corneocytes on the foil indicate the **desquamation/hydration level** of the stratum corneum. Many thick, large corneocytes can only be collected when the skin is dehydrated or even damaged. Well moisturized skin shows small regular flakes on the foil.

The Measuring Principle

The adhesive side is applied to the skin area to be measured. On removing the tape from the skin, the corneocytes will **stick to the tape**.

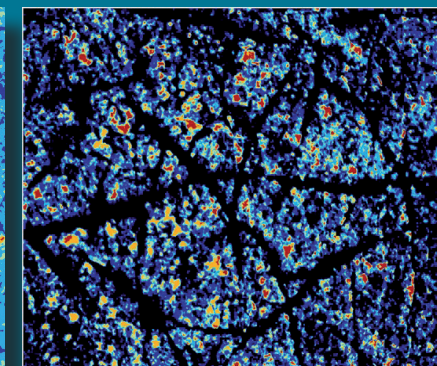
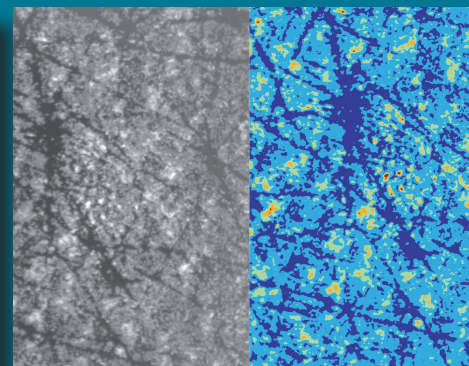
Fields of Application

- In cosmetology for **formulation, efficacy testing and claim support**, the moisture content of the skin is one of the most important parameters.
- The Corneofix® is perfectly suitable for **skin surface strippings** in various applications. The collected desquamation is evaluated chemically or spectrometrically for **protein content** or any other **bioassays**.

Advantages

- The method is quick, easy and **economical**.
- Different **sizes** and shapes:
 - **Corneofix® F 20**, square-shaped (20.0 x 19.5 mm) in a convenient dispenser (100 pcs.)/ or on roll (2000 pcs.)

- **Corneofix® D 104** (14 mm Ø),
- **Corneofix® D 100** (22 mm Ø) or
- **Corneofix® D 102** (30 mm Ø), disk-shaped on a roll (5000 pcs.) or in a bag (1000 pcs.)
- The Corneofix® F 20 is the perfect addition to the **Visioscan®** skin camera. With the software, the number, size classes and area covered with flakes can be evaluated as well as a **desquamation index**.
- **Numerous studies** have been performed with this interesting tool.
- An optional **pressure-aid-instrument** applies constant contact pressure of the tape on the skin enhancing the **reproducibility** of measurements.



	Area %	Area mm²
Class 1	16,60	13,28
Class 2	9,39	7,51
Class 3	3,99	3,19
Class 4	2,21	1,76
Class 5	0,85	0,68
All	33,04	26,42
Desquamation Index		24,35

Technical Data

Dimensions: Corneofix® F 20: 20 mm x 19.5 mm; Corneofix® D 104: 14 mm Ø; Corneofix® D 100: 22 mm Ø; Corneofix® D 102: 30 mm Ø Thickness: 0.1 mm
 corresponding pressure-aid-instrument for optimal pressure of 2.2 N: pressure surface: 2 cm x 2 cm; or Ø 1.6 cm; 2.4 cm; 3.2 cm
 The foils present no hazard to the skin.

Technical changes may be made without prior notice.

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