

## DermaLab Sebum Module



### Sebum Module

The DermaLab Combo Sebum Module provides quick objective assessments of skin oiliness. Measurements can be performed independently or before and after a skin intervention or the onset of skin conditions.

#### Technology

The Sebum Module consists of sebum-collecting strips and a reader module with an integrated light source built into all DermaLab units except DermaLab Single.

Each sebum strip features a microporous film mounted on a light-absorbing background. When the film encounters sebum, the sebum changes the translucent properties of the microporous film, allowing for more light to reach the background. The amount of absorbed light is thereby proportionate to the sebum level of the skin.

#### Benefits

- The sebum strips are made of oil-specific film material to eliminate influence of surface water (sweat)
- A calibration is performed on each individual strip to ensure accuracy and avoid batch-to-batch variation
- Software encompasses sequential and screen guided measurement procedure

#### Specifications

- Principle: Optical assessment of collected sebum sample
- Range: Sebum score from 0 to 99, with 99 indicating very oily skin
- Sebum collector: Microporous polymer film mounted on light absorbing substrate
- Reader module: Built into the DermaLab units, except DermaLab Single

### APPLICATION

Sebum is an oily, lipid-rich substance produced by the sebaceous glands and secreted to the skin surface through the pores. Its production rate varies widely between individuals and is influenced by factors such as sex, age, ethnicity, diet, temperature, and circadian rhythm.

Sebum is known to play several important roles: It helps protect the skin from external microorganisms, reduces trans epidermal water loss, and transports antioxidants to the skin surface. However, excessive or insufficient sebum production can lead to aesthetic or hygienic discomfort, highlighting the value of monitoring and measuring skin sebum levels.

#### Examples of fields of application with the Sebum Module:

- Helps guide towards suitable cosmetic treatments for dry/oily skin
- Product testing and development

**Note:** The probe is not a medical device and is not intended for medical purposes such as diagnosis or monitoring of skin disease.

### The Sebum Module

Is one of many parameters available for the customizable skin analysis tools: The DermaLab Combo, the DermaLab Mini, and the Dermalab Aesthetic.

To learn more about our solutions, visit [cortex.dk](http://cortex.dk)



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