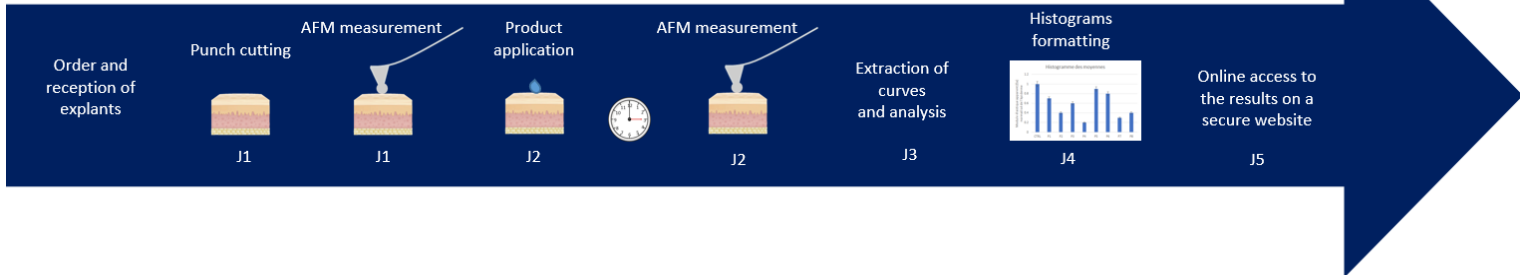


# EX-VIVO EFFICACY SCREENING

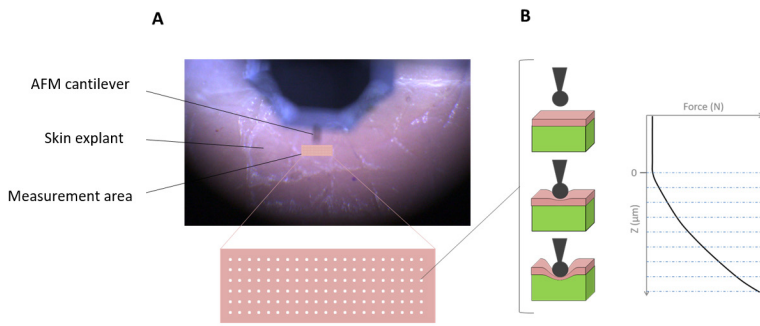
## A new near-reality efficacy test

**Objective**  
Assessing skin  
firmness and  
elasticity

### From skin explant sourcing to trend charts results



### AFM measurement principle



A: The AFM tip is positioned on the explant and a matrix of force-indentation curves is acquired.

B: A measurement corresponds to the deformation of the explant by the AFM tip, this is transcribed by a force-indentation curve (Z).

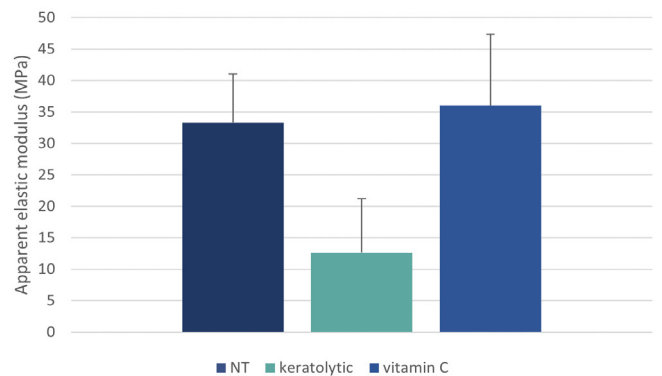
The application of our **force tomography** approach allows us to quantify the apparent **elastic modulus** ( $E_a$ ) of the dermis and epidermis. This approach has been validated for this **application by simulation** using the finite element method.

The principle of this method is based on the **extraction of the  $E_a$**  by «cutting» the curve. The quantification of the  $E_a$  is done by applying the calculation on small indentation areas, where each stripe corresponds to an extraction of a stiffness constant.

### Benefits

- **optimizing your clinical studies** with a strong selection of products
- **short deadlines**
- **all-inclusive study** : fresh skin explants sourcing, biological samples preparation, **innovative measurements**, analysis and **ready-to-use** trend charts on a secured website.

### Results



Example of deliverable : a trend chart about skin stiffness after skin treatment with vit C and a keratolytic active

### Deadlines

5 working days (technical report available online without biological interpretation)

### Price

Number of products	5-10	10-15	15-20	>20
Price per product	425€	400€	350€	On demand



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