Because they shed bacteria, natural polymers have long been used to create various surgical protective membranes.

Bio-based raw materials’ best features

- **Moisture absorbency**
  Cellulose-based substances can absorb copious amounts of water.

- **Breathability**
  The materials maintain their breathability even when wet.

- **Biologically inert**
  The materials do not cause a defence reaction in the human body.

- **Anti-biofouling**
  Cellulose-based substances do not easily collect unwanted proteins or other contaminants.

How to find the right bio-based raw material

The sheer abundance of bio-based materials available means expert advice is needed to find the suitable materials for your needs. VTT can guide you in finding and developing the right bio-based raw material, helping you scale development from the laboratory to factory-level production.