

# Design for sustainability (DfS) scorecard



With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.

## Milli-Q® polishing kit for pure water



Reengineered cartridges with optimized resin mix, packaging and end-of-life management

### Impact areas



#### MATERIALS

### Results

Optimization of resin mix for the IPAK Meta® polishing cartridge to better ensure 12-month cartridge lifetime when using pure water leading to a 5% increase of the weight of the polishing kit that consists of one IPAK Meta® and one IPAK Quanta® cartridge, but to an overall decrease of the overall consumption of polishing cartridges throughout system lifetime



#### SUPPLIERS & MANUFACTURING

More than 87% of the product's upstream supply chain components are covered by suppliers (Tier 1) who participate in the Together for Sustainability initiative with a valid assessment



#### PACKAGING

51% packaging weight and 45% packaging volume reduction thanks to new protective insert design and twin box concept  
Corrugated box and protective inserts with sustainable forestry certification



#### ENERGY & EMISSIONS

No change compared to baseline product in consideration of our DfS criteria



#### WATER

No change compared to baseline product in consideration of our DfS criteria



#### USABILITY & INNOVATION

Easy and quick cartridge replacement thanks to unique patented twist and lock technology



#### CIRCULAR ECONOMY

Implementation of a drain cap enables to purge an average of 70% of the water from the polishing cartridges, representing an average of about 25% of the cartridges' total weight prior to disposal

Baseline product: IPAKKITA1 – Milli-Q® IQ/EQ 7000 Purification Kit