

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.

Vitroids™ and LENTICULE® Discs

Viable microorganisms in a certified quantity produced under reproducible conditions, pure cultures of bacteria, fungi, or yeasts in a solid water-soluble matrix.



Impact areas

Results



MATERIALS

By centralizing batch production in-house, ready-to-use strains reduces overall material mass by 82% when compared to customer performing one media test per day across five years.



SUPPLIERS & MANUFACTURING

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



PACKAGING

All fiber-based packaging is 100% recycled with FSC certification for zero-deforestation.



ENERGY & EMISSIONS

By centralizing batch production in-house, ready-to-use strains reduces overall energy consumption by 97% when compared to individual customers incubating and testing strains once per day across five years.



WATER

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



USABILITY & INNOVATION

Vitroids™ & Lenticule® Discs eliminate preparation steps and incubation phases, reducing the time required per test from 72 hours to 24 hours compared to lyophilized reference strains from culture collections.



CIRCULAR ECONOMY

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

Baseline product: Lyophilized reference strains from culture collections