

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.

Cellvento® ModiFeed Sial+, Gal+ and Gal- COMP



Chemically defined cell culture feed, highly concentrated, no pH adjustment in hydration, ambient storage of hydrated liquid possible.

Impact areas

Results



MATERIALS

No sodium hydroxide is required for pH adjustment reducing exposure to a strong base; up to 23% more feed may be needed to achieve the same cell titers depending on the level of glycosylation needed



SUPPLIERS & MANUFACTURING

100% of key suppliers participate in our supplier sustainability program and more than 50% of product manufacturing costs are covered by suppliers with an Ecovadis rating of bronze or better in 2024



PACKAGING

Packaging meets our standards for plastic sustainability and recyclability, except the foil-lined bag in the 50L pack size which is required for moisture protection but is not recyclable



ENERGY & EMISSIONS

Storage at +4°C is not required for hydrated ModiFeed Prime solutions, potentially saving up to 365 kWh per year. Longer hydration time for ModiFeed Prime means an overhead stirrer would need to be used longer, but based on manufacturer data, would consume less than 1 kWh per 5L batch of media



WATER

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



USABILITY & INNOVATION

No sodium hydroxide required for pH adjustment and hydrated media can be stored ambient for up to 30 days



CIRCULAR ECONOMY

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

Baseline product: Cellvento® 4Feed