

# Decarbonization of our value chain

## Management of Scope 3 emissions

Defining and implementing our Scope 3 decarbonization program presents several challenges. For instance, strict regulatory requirements and quality standards must be carefully considered during product development and manufacturing. To address these issues, we have created the role of Associate Director for Climate and Circularity directly reporting to the Head of ESG Strategy and Impact Programs in 2024.

Several working groups and departments, such as the Plastic Reduction Group, the Sustainable Design Guidelines Working Group, Research and Development, Transport & Distribution and Procurement support the Scope 3 decarbonization plan.

In the reporting year, we focused on initiatives to enhance sustainability across our operations. Key efforts included the development of sustainable design concepts, calculating the product carbon footprint of our instruments, ongoing emissions data base lining, reducing plastic in products and packaging, and piloting a bio-based plastic project.

Our GHG data analysis revealed that plastics are the primary material-based GHG driver, making this a critical focus area.

In 2024, we enhanced our Scope 3 emissions data model by incorporating mass- and volume-based data for our leading products.

We intend to progressively augment this model with additional data to focus our efforts on effective targets and measures. As part of our data initiative, we performed a circularity assessment for one of our top-selling products, concentrating on recyclability to identify areas for improvement. To further refine our data model we gained insights into customer waste streams. A survey launched in early 2024 showed that laboratory waste management practices are mature and that clients recycle QIAGEN packaging and kit components. Based on the data and insights we gained in 2024, quantitative scenario analyses and decarbonization pilot-projects will be conducted in 2025. The results will enable us to determine short- and further mid-term targets.