

# Implementation of ISO 14001 at INTEGRA: Strategies and Measures for an Effective Environmental Management System

**INTEGRA Biosciences** is committed to provide reliable, high-quality products which are safe and compliant with relevant regulations worldwide. This document confirms the measurement procedure used for the performance test of the stated device.

**INTEGRA Biosciences** successfully implements ISO 14001 by developing a clear environmental policy that aligns with corporate goals and legal requirements. The company sets measurable environmental objectives and ensures the necessary resources are available to achieve them. Employee training and awareness programs are key to fostering a responsible environmental mindset across all levels. Regular monitoring, internal audits, and management reviews are conducted to track progress and ensure compliance. **INTEGRA Biosciences**'s commitment to continuous improvement helps optimize environmental performance and reduce ecological impacts. By following these steps, **INTEGRA** demonstrates its dedication to sustainability and effective environmental management.

**INTEGRA Biosciences** implements ISO 14001 through various measures. ISO 14001 is an international standard for environmental management systems (EMS) that helps companies achieve their environmental goals and minimize their environmental impact.

The implementation of ISO 14001 at **INTEGRA** is carried out as listed below:

1. **Environmental Policy:** **INTEGRA** develops a clear environmental policy supported by management. This policy is aimed at minimizing environmental burdens and ensuring compliance with environmental regulations.
2. **Environmental Objectives and Planning:** **INTEGRA** sets measurable environmental goals in line with corporate policies and legal requirements. This includes planning actions to improve environmental performance.
3. **Resource Management:** **INTEGRA** ensures that necessary resources (such as personnel, technology, and financial means) are available to achieve the environmental goals and successfully implement the management system.
4. **Training and Awareness:** Employees are trained to develop a better understanding of environmental issues and to take responsibility for environmentally friendly actions.
5. **Monitoring and Measurement:** **INTEGRA** regularly monitors and evaluates to ensure that environmental goals are achieved and that environmental performance is continuously improved.
6. **Internal Audits and Management Review:** The company conducts internal audits to ensure compliance with ISO 14001 and performs regular management reviews to assess the effectiveness of the environmental management system.
7. **Continuous Improvement:** **INTEGRA** follows a continuous improvement process to optimize the environmental management system, minimize risks, and seize opportunities.

By consistently implementing these steps, **INTEGRA** can successfully meet the requirements of ISO 14001 and foster a sustainable, environmentally conscious corporate culture.

## Not Only Do We at INTEGRA Biosciences, But We Do Much More..."

Sustainability is close to our hearts and is pursued with great passion and perseverance. **INTEGRA Biosciences** sets high standards with low environmental impact; you will find on this page valuable information about our sustainability [INTEGRA Sustainability Overview](#). We are proud that our Swiss and US headquarters run entirely on renewable energy and the roofs of the buildings are equipped with solar panels that produce over 700,000 kWh of solar energy a year.

### How we keep the environmental footprint of our products and consumables small

We do everything possible to minimize the amount of plastic used in our products and packaging while maintaining the highest quality and purity standards.

We offer our small volume GRIPTIPS (12.5 µl, 50 µl and 125 µl) in a **384 tip format**, rather than the industry standard 96 tip format. You can load four times more tips from these 16 x 24 racks, **drastically reducing plastic waste**.

Our lightweight **ECO Racks use 60 % less material** than our standard racks. After use, the ECO Racks easily nest inside each other and can be compressed to minimize the recycling space required. This saves both the amount of plastic needed to produce the racks, and the space needed in your lab to dispose of them.

We have set ourselves the goal for the next years of gradually producing our racks fossil-free by using more recycled or bio-based materials and thus further reducing our carbon footprint.

Our **reagent reservoirs** use thin, disposable inserts that fit into the robust reusable base, with clearly visible graduation markings. This design allows the inserts to stack inside each other, making it possible to **get twice as many in half the space** of other products on the market. This saves storage space and cuts down on the amount of cardboard packaging required.

We are using recycled cardboard in our packaging and accelerate the closing of material cycles through cooperation with recycling companies.

Compressed ECO Racks (3xxx series), Polypropylene racks (4xxx and 6xxx series) and ECO Rack inserts can be easily processed by your local **PET recycler**.

Used reservoirs and tips cannot be safely recycled, due to the risk of contamination with harmful chemical or biological agents. However, that doesn't mean there isn't still a 'green' option for their disposal. **Used plastics can be incinerated in energy capture plants** to produce energy and to prevent landfill. The most sensible way to do this is to capture and utilize CO<sub>2</sub> emissions (CCU) to keep carbon in the material cycle.

### Instruments designed for long life and the lowest environmental impact

All INTEGRA devices are designed for an extraordinarily long life, and it is not uncommon to find **15 year old instruments that are still working as reliably** as on the day they were installed. This is thanks to a combination of our careful instrument design – helping to ensure low wear and easy serviceability – and our commitment to support discontinued products with spare parts for at least eight years after production ceases.

Just as importantly, you can find service teams trained to our high standards all over the world, and we offer flexible [preventative maintenance contracts](#) to guarantee that your device is always in good shape. After all, **the longer you can use your device, the better it is for the planet**.

All the modules and components used in our products – external power supplies, motors and displays, etc. – are carefully selected to meet or exceed the **highest regulatory standards for energy efficiency**. All of our pipettes are designed to use very little energy during operation, stand-by and charging – thanks to features such as advanced lithium-ion and lithium-polymer battery technologies – which has the additional benefit of ensuring a long battery life.

The materials your INTEGRA products are made from are safe for both you and the environment. We avoid hazardous chemicals wherever substitutes are available when designing our products and sourcing

materials. This process is backed by regular testing, carried out by independent labs, to help ensure our policies are strictly adhered to – by both our own team and our suppliers. We also follow the precautionary principle, rather than simply following the regulations, to avoid potential issues before they even arise.

The most sustainable thing you can do is to buy durable, flexible equipment that you will use for years.

### INTEGRA's contribution to climate protection

We are proud to announce that we have submitted company-wide emissions reduction targets through the [Science Based Targets initiative \(SBTi\)](#) to limit global warming to 1.5 °C, and achieve net zero by 2050 at the latest. The SBTi is a partnership between the Carbon Disclosure Project (CDP), the United Nations Global Compact and the World Wide Fund for Nature (WWF), among others.

INTEGRA Biosciences commits to:

- **Scopes 1-2:** Reduce absolute greenhouse gas (GHG) emissions by 46 % by 2031, from a 2021 base year. This includes direct emissions from company cars, the combustion of natural gas in heating systems, and indirect emissions from purchased electricity.
- **Electricity:** Increase annual sourcing of renewable electricity from 48 % in 2021 to 100 % by 2030, where nuclear electricity is not considered renewable.
- **Scope 3:** Reduce GHG emissions by 51.6 % per revenue by 2029, from a 2019 base year. This includes indirect emissions along the value chain.
- Achieve **net zero** by 2050 at the latest, i.e., all emissions not avoided must be removed from the atmosphere by carbon capture.

We already hit the first target to reduce scope 1 and 2 GHG emissions by 46.2% from a 2021 base year in 2023, surpassing this milestone 8 years early. This could be achieved by transitioning all production facilities to exclusively renewable electricity. Of course, we won't stop there; our long-term goal is to achieve net zero for scope 1 and 2 by 2040, and the next steps are to convert our vehicle fleet to e-cars and find alternatives for sales offices located in rented buildings, where a renewable heat and power supply is not yet possible.

Transport of products, especially GRIPTIPS pipette tips, accounts for most of our scope 3 emissions. To achieve the ambitious scope 3 target in our supply chain as well, we will continue to reduce the intercompany air freight shipments, produce closer to our customers, reduce and de-fossilize the material of our plastic consumables and give preference to local suppliers who use renewable energy.

Zizers, August 2025



Urs Hartmann  
CEO  
INTEGRA Biosciences AG



Ursula Leuthold  
Sustainability Coordinator  
INTEGRA Biosciences AG

INTEGRA Biosciences AG  
7205 Zizers, Switzerland  
T +41 81 286 95 30  
info@integra-biosciences.com

INTEGRA Biosciences Corp.  
Hudson NH 03051, USA  
T +1 603 578 5800  
info-us@integra-biosciences.com

INTEGRA Biosciences Deutschland GmbH  
35444 Biebertal, Deutschland  
T +49 6409 81 999 15  
info-de@integra-biosciences.com

INTEGRA Biosciences SAS  
95062 Cergy-Pontoise Cedex 1, France  
T +33 1 34 30 76 76  
info-fr@integra-biosciences.com

INTEGRA Biosciences Ltd.  
Thatcham Berkshire RG194EP, UK  
T +44 1635 797 00  
info-uk@integra-biosciences.com

INTEGRA Biosciences (Shanghai) Co., Ltd.  
上海自由贸易试验区 201315, 中国  
T +86 21 5844 7203  
info-cn@integra-biosciences.com

INTEGRA Biosciences KK  
ちよだ一く、ときよ 101-0031、じゃぱん  
T +81 3 5962 4936  
info-jp@integra-biosciences.com

INTEGRA Biosciences Nordic ApS  
2605 Brøndby, Denmark  
T +45 3173 5373  
orders-nordic@integra-biosciences.com

INTEGRA Biosciences Ireland Limited  
Blanchardstown, Dublin 15, Ireland  
T +44 1635 797000  
info-ie@integra-biosciences.com

INTEGRA Biosciences Pty Ltd  
Brendale QLD 4500, Australia  
T +61 7 3497 5800  
info-au@integra-biosciences.com

INTEGRA Biosciences Benelux B.V  
4814 DB Breda, Netherlands  
T +32 78 48 66 75  
orders-benelux@integra-biosciences.com