DIAGNOSTIC

BUILDING A SUSTAINABLE WORLD TOGETHER

Through innovation and forward-thinking solutions, we are committed to minimizing the environmental impact of our products while advancing the health and prosperity of individuals and the communities we serve.

GRIFOLS

SUSTAINABILITY AT THE CORE OF OUR PURPOSE

Since our founding 115 years ago, Grifols has been driven by a single mission: to improve people's health and well-being. Today, that mission extends to a broader responsibility - helping to create a more sustainable world where people can improve their quality of life.

We believe integrating sustainability into our strategy is essential not only to achieving long-term value for all our stakeholders, but also ensuring the enduring success of our business. This commitment spans environmental, social, and governance (ESG) practices, addressing not only our carbon footprint but also advancing social equity, promoting ethical business practices, and driving economic resilience in the communities we operate.

AT GRIFOLS, SUSTAINABILITY IS NOT JUST A PRINCIPLE – IT IS A STRATEGIC PILLAR THAT SHAPES THE FUTURE OF OUR BUSINESS.

FOLLOWING A SUSTAINABILITY ROADMAP

We follow a roadmap that directs our actions with 30 clearly defined ESG commitments which are central part of our 2030 Agenda, in alignment with the Sustainable Development Goals of the United Nations.

In terms of our environmental efforts, our six commitments for 2030 guide us to achieve the transformative goal of minimizing the environmental footprint of our activity:

1

EMISSIONS REDUCTION

Reduce greenhouse gas emissions per unit of production.

-55%

2

ENERGY EFFICIENCY

Increase energy efficiency per unit of production.

-15%

3

RENEWABLE ENERGIES

Consumption of electricity from renewable sources.

-100%

4

DESCARBONIZATION

Facilitate the decarbonization of transport in business trips and employee commutes.

5

CIRCULAR-ECONOMY

Continue to implement circular economy measures in every stage of the life cycle.

6

BIODIVERSITY PROTECTION

Protect biodiversity on Grifols properties through the Grifols Wildlife Program.

GRIFOLS, THE WORLD'S MOST SUSTAINABLE BIOTECHNOLOGY COMPANY

OUR APPROACH TO SUSTAINABLE VALUE CREATION IS INTERNATIONALLY RECOGNIZED

Today, Grifols is considered to be one of the most sustainable companies in the world. This is confirmed by the many recognitions we have received in recent years by some of the world's most respected rating agencies and indices.

In 2024, Grifols ranked as the number one biotech company in the Dow Jones Best-in-Class Indices, ascending to the top position in its fifth straight year of inclusion in the prestigious indices.

We have also been included in other relevant indices such as the FTSE4Good since 2018. Additionally, since 2023 EcoVadis has awarded us with a Gold Medal for Sustainability Excellence, ranking among the top 5% of the companies with the best valuation for our efforts across the value chain.

GRIFOLS TOP BIOTECH COMPANY IN THE DOW JONES BEST-IN-CLASS

HOW DOES GRIFOLS DIAGNOSTIC SPECIFICALLY CONTRIBUTE TO LABORATORY SUSTAINABILITY GLOBALLY?

We are committed to developing innovative solutions that not only address healthcare needs but also minimize our environmental impact while maintaining the quality of the solutions we provide to our professional laboratory and patient community.

Our Transfusion Medicine portfolio (blood typing solutions and donor screening) is committed to positively reduce its operational impact and to allow its lab partners to hold more sustainable practices in their testing routines.

OUR INITIATIVES

PAPER REDUCTION

- 99.500 KG OF PAPER PER YEAR

Progressive implementation of electronic Instructions, through the new Grifols Technical Library website. With this measure it is estimated that we will save more than 99.500 kg of paper per year.

- 60/70% OF THE CURRENT AMOUNT OF PAPER

MLBS, Symbol Legend and Business Cards are being removed from reagent boxes 1, 3 and 4 and only kept in Box 2 for each Master Lot Kit of Procleix Assays. This means a 60-70% reduction of the current amount of paper used for this purpose.

PLASTIC REDUCTION

- 100% CURRENT AMOUNT OF PLASTIC

Elimination of plastic bags for Business Cards and Symbol Legends packed with Assay Controls. Besides reducing the plastic consumption, it reduces the labor time and associated energy consumption. This means 100% reduction of the current amount of plastic used for this purpose.

LOW CARBON FOOTPRINT AND RECYCLABILITY

Cardboard inserts used in Assay Fluids packaging have been replaced with recycled Polyethylene Terephthalate (rPET) inserts, a highly recyclable plastic that provides a low carbon footprint (saving raw materials by requiring less energy), recyclability (reducing waste) and strong positive environmental impact.

REDUCED REAGENT VOLUMES

-50% OF REAGENTS AND CONSUMABLE USAGE

Multiplex assays, like Ultrio Plex Assay, have a significant positive impact on the environment as they reduce by 50% the reagents and consumable usage as well as the liquid and waste generation.

PACKAGING OPTIMIZATION

RECYCLED AND RECYCLABLE PACKAGING

More sustainable packaging for DG Reagent Red Blood Cells (RRBCs). eIFUs implementation has enabled us to redesign DG RRBCs packaging, making it smaller and therefore reducing the carbon footprint.

Changed DG RRBCs carton box to FSC-certified cardboard, which does not incorporate any varnish, and uses less ink.

Moving from PS White plastic to PS White 70% recycled.

BLOODchip cardboard used is reduced by 50% and boxes are made of recyclable materials.

Changed Autodetect (consumable fluid) packaging from 1x to 4x format. The estimated packaging reduction is 75% in annual savings, 1640 kg in plastic and 20415 kg in cardboard.

DG GEL ANALYZERS ECO-DESIGN

FOLLOWING CURRENT LEGISLATION

The eco-design of Grifols instruments is based on international legislation, ie: Directive 2011/65/EU, Directive 2012/19/EU, Directive 2009/125/EC, the Dodd-Frank Wall Street Reform Act and Consumer Protection Act (Section 1502 – Conflict minerals), and the Grifols environmental policy.

MORE SUSTAINABLE REAGENT SHIPMENTS

ALTERNATIVE PACKAGING FOR DELIVERIES

Grifols uses the CREDO system to ship the reagents to European countries and the U.S., depending on customer needs and the size of the shipment (> 6 kits). The CREDO system is used as alternative packaging for deliveries with the aim of reducing packaging cost, waste, and dry ice, therefore has a real positive impact on the environment.

IN OUR PLANTS WE OPTIMIZE ENERGY EFFICIENCY

OPTIMIZING ENERGY EFFICIENCY WITH AI

OPTIMIZING ENERGY EFFICIENCY

In January 2022, we started using artificial intelligence (AI) to increase energy efficiency of air-conditioning systems in Diagnostic production facilities.

IA-DRIVEN SOLUTION

We integrated our systems with the OSIsoft PI platform, enabling real-time data transfer to the cloud. Every minute, data from 136 variables was transmitted to the cloud, where AI algorithms analyzed and optimized chiller performance. Every 5 minutes, the chillers received updated settings to improve energy consumption.

P4 Diagnostic Grifols facilities, Parets del Vallès

A substantial 18% reduction in energy consumption within just four months. This AI-powered solution has proven to be highly effective, making our operations more sustainable and cost-efficient.

POWERING DOWN: ENERGY-SAVING EFFORTS

REDUCE ENERGY COMSUMPTION

In July 2023, our San Diego site was audited to find low- and no-cost energy-saving actions to reduce energy consumption. Since then, we started focusing on opportunities to use energy more efficient and reduce consumption.

STRATEGIC ENERGY MANAGEMENT (SEM)

The actions to reduce energy consumption included shutting off lights during non-operation hours and turning off the HVAC systems (Heating, Ventilation, and Air Conditioning) in office areas overnight.

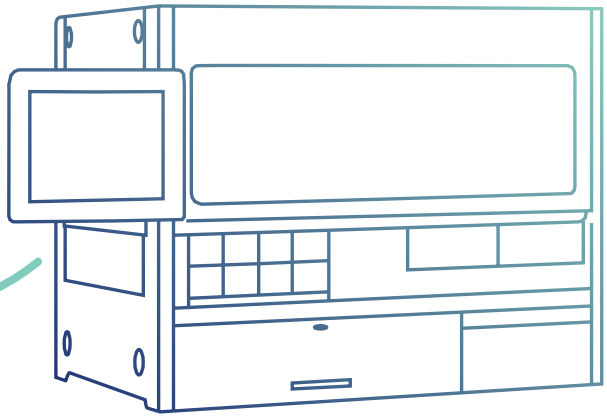
Other projects already in progress: purchasing new energy-efficient equipment, replacing our self-contained freezers with high-efficiency freezers in our labs, upgrading our high-efficiency water purification system, and installing a new white roof that will allow the rooftop units run more efficiently.

Grifols Diagnostic Solutions facilities, San Diego

Energy saving is possible thanks to the implemented actions. High-efficiency freezers save 26,205 kWh/year and, by adjusting parameters of boilers and chillers, it can reduce energy consumption and save an additional 45.000 kWh/year.

HOW WE MAKE YOUR LAB MORE SUSTAINABLE

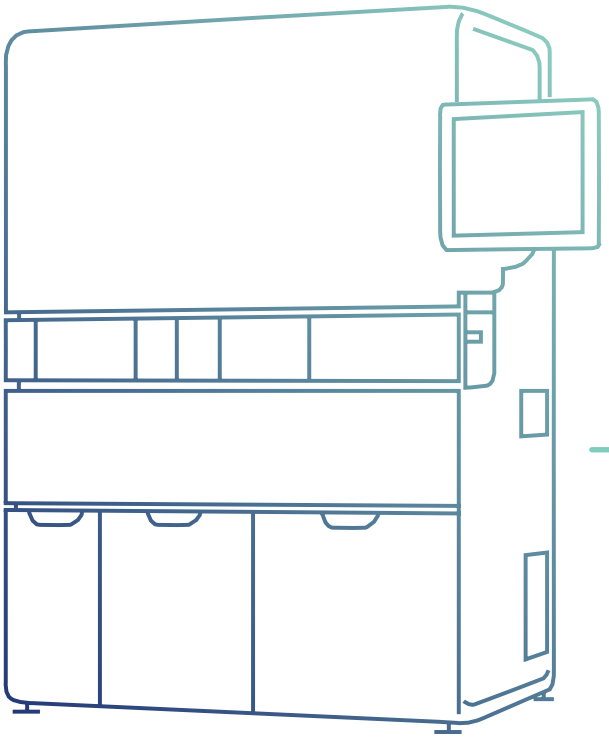
TYPING
ERYTRA EFLEXIS



- Select materials that are more environmentally friendly
- Optimize packaging in order to minimize transport
- Reduce energy consumption
- Include recycling instructions
- Optimize the consumption of reagents and consumable to reduce waste volumes
- Use of double racked gel cards holders to reduce plastic waste
- Concentrated wash solution to reduce shipment volumes and waste

- SRC (Secure Remote Connection) to remote support the instruments without requiring any travel
- Instruments are designed to reduce servicing tasks which minimize field service travel
- Product durability: minimize servicing and avoid programmed obsolescence
- Reduce the consumption of reagents to reduce liquid waste
- Provide more ecofriendly solutions for maintenance
- Electronic instructions for use
- Online training to reduce travels

SCREENING
PROCLEIX PANTHER ART



- Tip trays could be recycled
- Panther has Power Save mode to have a low power reduction mode which reduces energy consumption by powering off specific modules
- Liquid waste is non-hazardous
- Multiplex assays reduces by 50% reagent consumption, consumable usage and waste

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