



Conscious
Choices For
A Better
Future

Table of Content

Letter From the CEO	3
Practices in AH diagnostics	4
Less Harmfull Alternatives	6
Less Plastic In Your Workflow	10
Manufactured In a Solar Energy Factory	11
Instruments For a Conscious Lab	12
Tips and Tricks To a Greener Lab	14
Maintenance and Service	15



Letter From the CEO

In 1987, the United Nations Brundtland Commission defined sustainability as “meeting the needs of the present without compromising the ability of future generations to meet their own needs.”

At AH diagnostics we recognize the necessity of contributing toward a healthier planet. We are in business to support your research and work in Life Science and diagnostics and as your go-to partner in product selection and guidance, we are proud to take part in the green transition.

It is our most important priority to ensure that the products we provide and the support you receive from us, are of the highest quality.

In this catalog, you will find our selection of products that, in their own way, contribute to a better future. You can choose these products for your research, without compromising your work or results.

By doing so, you make a conscious choice for a better future.

Small steps in the right direction - walk with us.

Helle Zacho
CEO and Managing Director



Practices in AH diagnostics

To support your work and efforts towards a better future, we have to start internally. Every day, your orders go through our warehouse and are shipped across the Nordic countries. This has been one of the first places in our organization, where we have made a conscious effort to improve. We go by the saying; Reduce, Reuse, Recycle.

Reduce

You can expect to see bulk packaged orders, whenever possible. This is done to reduce the amount of shipments we send to the same customer. In 2022, we consolidated 247 orders into 108 shipments.

You can also participate in this, by bulking your orders, or share a shipment with a colleague.



Reuse

In an effort to limit our use of single-use materials, we reuse packing materials, EPS boxes, and cooler bricks.

By end of September 2023, we have already reused 335 EPS items. This is compared to 300 in total in 2022.

Recycle

Some packing materials are bound to be single-use. In these cases we aim to find recycled or biodegradable materials, that can replace their virgin-plastic counterparts. We have already achieved this with packing peanuts and wrapping.

Additionally, we are starting a pilot project in Denmark, using recyclable paper coolers as an alternative to EPS boxes.



Practices in AH diagnostics

ISO Certified

ISO 9001:2015 - Quality management systems

This is an internationally recognized framework for quality policies, -processes, and -procedures. This framework ensures a focus in our core business that impacts the organization's ability to meet our customers' and other stakeholders' requirements.

ISO 14001:2015 - Environmental management systems

With a certification according to ISO14001:2015 AH diagnostics ensures a dedicated determination and continuous improvement of the organization's environmental impact, position, and performance.

Our Environmental policy requires a continuously focus on: improving environmental performance, fulfillment of binding obligations, and meeting environmental goals.

ISO 45001:2018 - Occupational health and safety management systems

The ISO45001:2018 determines and continually improves our organization's Health and Safety position and performance. This internationally recognized standard within OSH (Occupational, Safety & Health) management systems puts a good working environment on our daily agenda and requires management and employees to focus on improving the way they interact.

The Sustainable Development Goals

	<p>Goal 5. Gender Equality</p>	 <p>AH advocates gender equality – both in terms of career opportunities and wage conditions. AH will be a diverse and spacious workplace where all employees – regardless of gender, age, nationality, religion, sexual orientation or disability – have equal rights and opportunities in their work and career paths. Employees are remunerated according to their qualifications, responsibilities and the nature of their tasks, without regard to gender. Equal work or work of equal value are equally payed. (AH Employment Policy)</p>	
	<p>Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</p>	 <p>Reducing our carbon footprint by using less energy overall and utilizing renewable energy sources when possible. (AH Environmental Policy)</p>	
	<p>Goal 12. Ensure sustainable consumption and production patterns 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse</p>	 <p>To improve our impact on the environment we put our effort in: - abiding environmental laws and directives relating to our business. - minimizing the environmental effect through all stages, as well as throughout the entire life span, of the products sold and distributed by AH diagnostics. (AH Environmental Policy)</p>	
	<p>Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels 16.5 Substantially reduce corruption and bribery in all their forms</p>	 <p>The Organization and its employees must, at all times, comply with all applicable laws and regulations. The Organization will not condone the activities of employees who achieve results through violation of the law or unethical business dealings. This includes any payments for illegal acts, indirect contributions, and bribery. The Organization does not permit any activity that fails to stand the closest possible public scrutiny. All employees must attend and pass the annual Anti-Bribery course. (AH Code of Conduct)</p>	

Less Harmful Alternatives

Natural Refrigerant to Protect Your Samples - And the Planet

5427 R Centrifuge

This new centrifuge model does not only support you on your way to a greener lab. It is also the perfect solution for labs with a multiplicity of different molecular biology applications or in need of high-throughput solutions for 1.5 – 2 mL tubes – all combined in a centrifuge with the highest throughput/ footprint-ratio within the Eppendorf microcentrifuge range.

- Cooled with natural refrigerant (R290) to protect your samples - and the planet
- Doubles your tube capacity compared to a standard 24-place microcentrifuge

eppendorf



2nd Generation Feedstock - 1st Class Consumables

Tubes® Biobased

These tubes are of 90 % biobased plastic, and represent Eppendorf's attempt to decouple single-use consumables from the usage of fossil resources.

- ACT (Accountability, Consistency, and Transparency) Certification - the independent validation provided by My Green Lab®
- ISCC PLUS (International Sustainability & Carbon Certification) to enable traceability along the entire supply chain
- The tubes are derived solely from waste and residue streams e.g. from vegetable oil production and used cooking oil
- Comes in 5.0 to 50ml with screw caps



Sustainability Becomes Premium

epT.I.P.S® Biobased Sterile Reloads

Sterile Plastic Tips became 'irreplaceable' in laboratories around the world. The new Sterile Reloads display a combination of quality/safety (TwinLid® mechanism, certified sterility) & sustainability features (Certified biobased Tip material; less material usage).

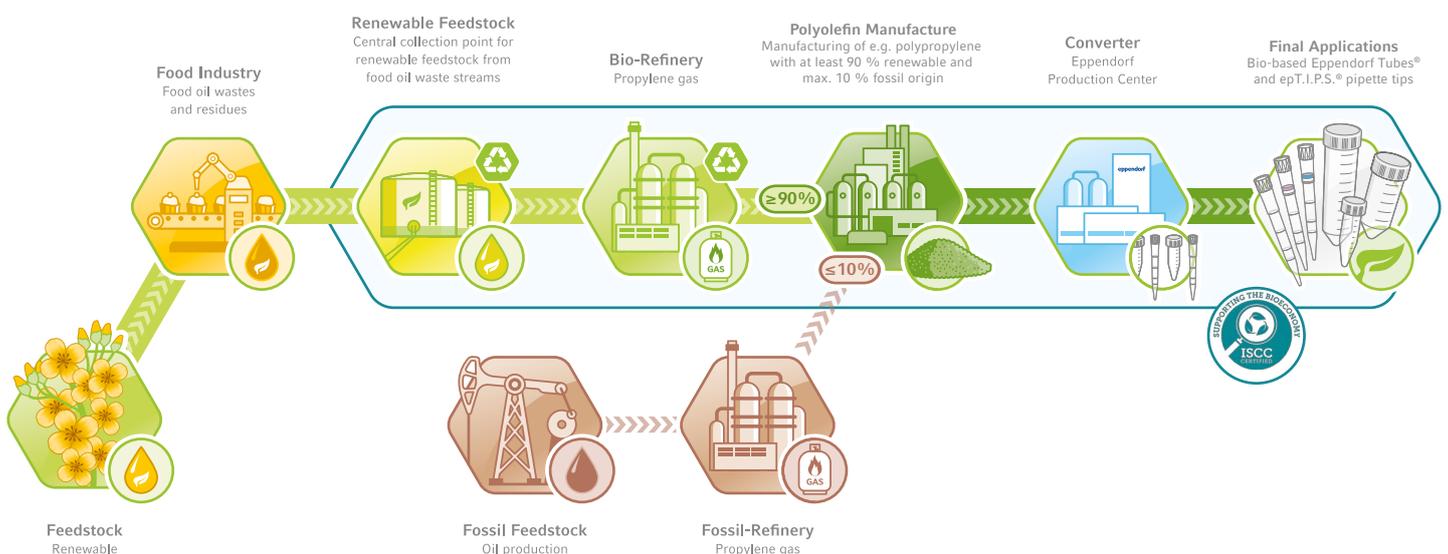
- Up to 54% weight reduction in comparison to Eppendorf racks
- Ca. 30% less waste volume by fully disassembled empty reloads
- Ca. 65% lower product carbon footprint of the biobased raw material
- ACT (Accountability, Consistency, and Transparency) Certification - the independent validation provided by My Green Lab®
- ISCC PLUS (International Sustainability & Carbon Certification) to enable traceability along the entire supply chain



What Eppendorf Writes About the Bio-based Polymer Used for Tubes® BioBased and epT.I.P.S® Biobased Sterile Reloads

To increase the sustainable properties of plastic used for the production of lab consumables, we must make and use plastics more sustainably using recycled and renewable feedstocks.

- In this specific bio-based polymer production, fossil raw material is saved by replacing it with sustainable raw material produced from bio-based waste and residues (2nd generation renewable feedstock)
- The raw materials used to produce the renewable feedstock can be backtraced to the first collection points and the origin of the renewable raw materials from carefully selected suppliers committed to sustainability is assured
- The final polymers are sustainability certified by "ISCC PLUS" - the reliable global leading certification scheme for manufacturers producing bio-based polymers and their further processing



Less Harmful Alternatives

BIOBased ClearLine®

Biobased polymers in single-use consumables, is a way to reduce the amount of plastic waste that is produced in a lab every day. The tubes on this page are just like their regular counterparts, but made with 90% recycled or renewable resources and are ISCC Plus and ACT certified.



Microtubes with snap cap

0,2 – 0,5 – 1,5 – 5,0 mL

- Free of human DNA, RNase, DNase, ATP, pyrogens and PCR inhibitors
- Non-sterile
- Polypropylene with excellent transparency
- For centrifugation up to 25000 g
- Autoclavable (open) at 121 °C for 20 minutes
- Also available as protein- and DNA lowbinding options



Cryotubes

1,0 – 1,2 – 2 – 3 – 4- 5 mL w. internal or external cap

- Bi-injection polyethylene and silicone caps : no leaking, no contamination and excellent grip for screwing/unscrewing
- Star cap design, for use with automatic decappers and vial pickers
- Printed graduations, with writing area
- Provided with a pre-printed random bar code
- Locking system (for skirted tubes only) for use with the base of polycarbonate cryogenic boxes and workstations
- Autoclavable (open) at 121 °C for 20 minutes



Microtubes with screw caps

0,2 – 0,5 – 1,5 – 5,0 mL

- Available with or without an O-ring seal and/or cap
- For centrifugation up to 25000 g
- Autoclavable (open) at 121 °C for 20 minutes
- Resistant from - 80 °C to + 121 °C
- Raw materials are tested in accordance to the United States Pharmacopeia's standards, class VI
- Certified free of RNase, DNase and pyrogens
- CE and IVD marking



PCR Plates Made with Biomass Material

B-Frame BIOCOMPOSITE PCR plates

The rigid biocomposite frames are produced from plant biomass, resulting in a reduction of petroleum-derived plastic used to manufacture the frame by 46-50% depending on the frame style.

B-Frame BIOCOMPOSITE PCR plates from Arvensis reduce shipping weights by 10%

- Low profile low bind wells & Standard profile low bind wells
- Fully skirted low profile plate fits a wide range of cyclers and is fully automation compatible
- Roche-style semi-skirted for LightCycler
- Universal style PCR plates
- ABI style semi-skirted plates for most ABI thermal cyclers



Flip Sterile Filtration on its Head

Stericup® E and Steritop® E filters

Stericup® E and Steritop® E filters were designed to minimize plastic waste by eliminating the plastic filter funnel, threading directly onto any commercial media bottle or glass bottle. Since their launch in 2019, 1.9 metric tons of plastic and corrugated cardboard has been prevented from entering customers' laboratories.

- Reduced plastic waste
- Lighter than traditional filters, requiring less fuel for shipping
- Corrugated boxes with Sustainable Forestry Certification
- Product pouches made of recyclable materials
- Recycling information printed directly on all packaging
- 2D barcode labels for easy access to user guides
- Save up to 860g plastic with Steritop® E and 840g plastic with Stericup® E filters per box.
- ACT label certified



Stericup® E Filters

Traditional filters

Less Plastic In Your Workflow

Racks Made From Paper

One Touch tip

Pipette tips that fits most popular pipettors. The recycled paperboard racks fits seamlessly in your recycling system for paper. Produce less plastic waste, without changing your workflow.

- Dual-shot tip design : pliable TPE upper part
- Leak-proof seal and optimal accuracy : ideal for multi-channel pipettors
- Reduces muscular fatigue and wear on pipettors
- Paper boxes are not plastic-coated and printed with soy- and vegetable-based ink



Spoons Made with Biomass Material

Bürkle Bio-PE scoops, spoons & spatulas

The Steriplast Bio and Laboplast Bio sampling spoons primarily consist of a high-density polyethylene and contain almost 93% by weight bio-based material.

- Production, assembling and packaging acc. to clean-room class 7
- Steriplast products are gamma radiation sterilised (minimum 10 kGy)
- Complies with EU food requirements and FDA regulations
- Product and packaging almost entirely made from renewable resources
- ACT label certified



Weight boats from FSC certified paper

SmartBoats™

Biodegradable weigh boats made from FSC certified grease proof paper.

- Comes pre-folded
- Usable up to 210 °C
- Brown or white to best suit your samples
- 3 sizes: 35x35 – 47x47 – 95x95 mm



Manufactured In a Solar Energy Factory

ClearLine®

The products you see on this page, are produced in a factory using solar energy as their primary energy source. Solar energy does not in itself emit any carbon dioxide, and the emission through manufacturing is significantly smaller than traditional fossil fuel.



Single use spectrophotometer cuvette

Single use cuvettes, in 2 types of material:

- Polystyrene (PS): wave length 340 to 900 nm
- PMMA: wave length 300 to 900 nm
- Optical path: 10 mm
- Maximum variability between the two walls of the same cuvette: <1%
- Comes in volumes 1,6 mL and 4,0 mL



Histology cassettes

Biopsy and inclusion cassettes

- With detachable lid
- Made from P.O.M. (polyoxymethylene) resistant to histological solutions and ultrasound techniques
- Writing area suitable for printers
- Suitable also to automatic printers.
- Embedding cassette available without a lid
- Blue histology sponge available 3 x 2,5 cm
- 6 colors available



Cryogen® Boxes

Polycarbonate boxes for the refrigerated/cryogenic storage of ClearLine® cryotubes.

- Box, grid and lid made of polycarbonate
- Transparent lid with numerical grid, 2 adjacent corners cut so the lid will always be put back on the right way
- For all ClearLine® cryotube volumes: 3 versions available: 25 places (5x5), 81 places (9x9), 100 places (10x10). coloured grid (Blue, Yellow, Red and Green) and white bottom with pins
- Autoclavable at 121 °C for 20 minutes
- Available in regular, high, and low
- Available in 1-2 mL and 3-4-5 mL



Instruments For a Conscious Lab

Sustainable Laboratory Product of the Year



CellDrop Automated Cell Counter

Awarded **Sustainable Laboratory Product of the Year** in the **SelectScience® Scientists' Choice Awards®!**

CellDrop's patented DirectPipette™ technology distinguishes it as the only cell counter to eliminate the need for cell counting slides. This innovation has already **saved over 8.5 million slides from use and disposal**, which equates to about 30,000 kg (66,000 lbs) of plastic.

- Easy to use software
- Eliminate plastic slides and hemocytometers from routine cell counting



Save Time and Reduce Plastic Waste

X9

Get a fast and reliable experimental outcome with minimum sample usage and labor.

- Runs up to 9216 individual qPCR reactions at the same time - get a lot of information at once
- Price per data point is much lower compared to regular qPCR
- Number of targets (assays) and samples is flexible due to 4 different plate formats.
- Main advantages:
 - Investigates many targets at once without the normal multiplexing issues
 - Cheaper per data point
 - Produce less plastic waste



No Waste Between Tests

NovoCyte

Avoid wasting resources with no idle sheath fluid consumption.

- Sheath fluid available as concentrate - no unnecessary transportation of water and plastic
- Choose the more sustainable consumables - the NovoSampler Q uses most formats of tubes and plates
- Reduce noise pollution when working and create a more comfortable work environment
 - Sound levels under 30dB



Demo available

Reduce Waste and Prolong the Lifetime

Refurbished instruments

Sometimes a “new” instrument doesn’t have to mean new.

A refurbished instrument, that has gone through thorough maintenance and service, to ensure satisfactory condition, can potentially fit the need you have in your lab.

We often have the opportunity to offer you a refurbished instrument from several of our suppliers.

Reach out to your local product specialist to find the best option for you.



Contact your local Product Specialist to learn more about refurbished instruments



Tips and Tricks To a Greener Lab

You can contribute to the sustainable transition in your every day work in the lab. By making small changes in your choices or how you act, you have an influence on the impact of your lab. Below, we have gathered a few tips and tricks you can incorporate every day, to make your contribution to a better future.

Reduce Energy Consumption

Turn off or close your lab equipment when not in use - instruments, computers, fume hoods, etc. to reduce dormant energy consumption.

Raise the temperature on your ULT freezer - going from -80°C to -70°C can reduce electricity consumption with up to 37%, usually without compromising the samples - however, we recommend to always run a test first. [You can read more about this here.](#)



Regular Upkeep of Your Equipment

Changing filters in due time, cleaning equipment regularly, defrosting your freezer, and ensuring service on your instruments - this will all prolong the lifetime of your equipment, and ensure less down-time.

See the next page, to learn more about maintenance and repairs.

Make Conscious Choices

Select and purchase consumables, reagents, and instruments that feature efficiency and less resource waste. Look for certifications you trust, that signify a more sustainable product or producer.

Do you really need a 50 mL tube? Consider if your sample could fit a 25 or 15 mL instead, and have a variety of sizes to fit your needs.



Maintenance and Repairs

Make sure that your instrument performs its best at all times. Preventive maintenance will ensure that you prolong the lifetime of your instrument, creates less waste, and make sure that it delivers accurate results at each run. Get the most out of your instrument and contribute to a better future.



On-Site or Off-Site Repairs

Choose between on-site repair or our repair center depending on the situation and your lab schedule.



Fast Response Time

With our fast response time, you can get back to your lab work in no time.



Certified Service

We know every little detail of the instruments after having worked with them for several years. In addition, we regularly get training directly from our suppliers, where we learn more about existing and new products.

Service and Maintenance That Meets Your Needs

- PCR and qPCR instruments
- Fluidigm instruments
- Minicore Micro Tissue Arrayer
- NovoCyte Flow Cytometers
- Thermo Fisher and Dako Autostainers
- UVP instruments for gel documentation
- Azure instruments for gel documentation
- Glite instruments for gel documentation
- BioTek washers and readers
- Arrayit robotics
- BSD instruments
- Pipettes
- Eppendorf centrifuges, thermomixers, heat sealers, PCR instruments and transformation instruments

If you need service for an instrument that is not on this list, please do not hesitate to contact us. We may be able to provide you with the service.

For Ordering and Guidance

- Contact Your Local AH diagnostics



87 45 90 10

ahdiagnostics.dk

order@ahdiagnostics.dk



(0)8 680 0845

ahdiagnostics.se

order@ahdiagnostics.se



2323 3260

ahdiagnostics.no

order@ahdiagnostics.no



(0)10 325 3000

ahdiagnostics.fi

order@ahdiagnostics.fi

