

## Product Highlights



## Sustainable Laboratory Solutions

Helping scientific companies and Institutes operate more sustainably through cost effective change

At Lampadina Scientific we are dedicated to helping laboratories reduce their environmental impact and operate more sustainably. Through consultative advice, innovative product introductions and education, we ensure our clients operate their labs with the minimum amount of plastic waste, water, and energy. With our expertise and eco-friendly product offerings laboratories can achieve their sustainability goals.

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Our product range can help your lab achieve your sustainability goals and reduce costs

Our mission is to revolutionise the scientific industry by offering comprehensive solutions that enable companies and institutes to conduct their research and operations in a sustainable and environmentally friendly manner, without increased costs. We believe that by aligning science with sustainability we can make a significant positive impact on the world

# Reduced Plastic Consumables



## Econix Bio-Bins®

- Innovative and eco-friendly UN3291 approved clinical waste container
- Made of 96% paper replacing plastic clinical waste bins and in some instances sharps bins where no sharps are being placed in them.
- Provide a cost and space saving over plastic
- Carbon calculator gives the plastic saving by switching available.
- Ideal product for sustainable purchasing due to long expiry and fold flat design
- Shipment direct from the Econix UK further reducing the CO<sub>2</sub> emissions and packaging from delivery



## G&N Medical Eco-Sharps® Bins

- Made using 95%+ lower carbon materials
- Flat packed for efficient storage and transportation
- Quick and easy assembly
- Sharps proof and water resistant
- Conforms to ISO 23907-1:2019 - 53% lower associated GHG emissions
- Launch product has a 5.3l volume with other sizes coming soon!

## WoodSafe® Sharps Bins

- WoodSafe is an innovative hazardous waste container made from renewable raw materials
- Available in 0.5L, 2L, 3L, 6L, 12L, 25L and 50L
- 66% reduction in CO<sub>2</sub> emissions
- Cost-effective and simple climate action
- Manufactured in Sweden with renewable raw materials from the forests



## Arvensis® Biocomposite PCR Plates



- The frame is produced using a plant-derived biocomposite matrix
- Designed to provide a rigid structure for the reaction wells
- The frame material remains stable during thermal cycling
- Sustainably-sourced biocomposite material reduces plastic by 51%
- PCR takes place in the medical-grade polypropylene reaction well
- 96 thin-walled reaction wells are biocompatible and low-binding
- Plant-derived material is lighter in weight plastic reducing the weight for transporting by 10%

## Uniglove® Biodegradable Gloves

- 81% biodegradation within 490 day so better for the environment
- Decomposes within five years - much faster compared to regular nitrile, which can take over 100 years
- Contains innovative biodegradable technology, which means the biodegradation process only starts when disposed of in an active landfill environment
- AQL 1.5 meets medical standards for pinholes
- Touchscreen compatible, so no need to remove gloves
- Now available – antimicrobial nitrile gloves



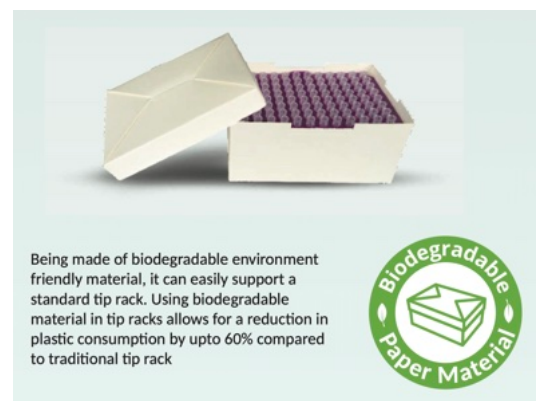
## LabBee® Tissue Culture Plastics



- Reliable; All LabBee products are ISO certified and undergo rigorous quality testing
- Available; Steady stream of product with UK stock holding
- Economical; Highest quality and economical pricing are not mutually exclusive, LabBee range ensures you never have to compromise
- Recyclable; Lampadina Scientific can recycle the complete LabBee range, drastically reducing a labs carbon footprint

## Cardboard Racked Pipette Tips

- Quality Assurance; ISO certified and 100,000 class cleanroom manufactured
- 100% electrical injection moulding using solar power
- Certified RNase, DNase, pyrogens, Human DNA, ATP and Endotoxin free
- 60% plastic saved with cardboard tip boxes
- Automation tips available, compatible with leading platforms
- Lampadina Scientific can recycle pipette tips and boxes economically and efficiently





## Eco Friendly Reagents



### Bio-Echo® DNA and RNA Extraction Kits

- Reduce plastic, time and cost with Bio-Echo nucleic acid extraction kit
- 70 % less plastics consumption means 70 % less waste, no hazardous reagents and plastic-free packaging
- Shorten time to result; Significantly fewer steps enables extraction typically in one minute of centrifugation
- Increase yield and purity with higher recovery than other kit technologies due to unique single-step purification method
- More sensitive and reliable downstream applications
- Streamlined workflows; up to 3x faster due to fewer steps compared to conventional kits
- Reduced costs; less consumables, labour, packaging and disposable costs
- Space saving; 80% less shelf space required to store



### highQu PCR, qPCR and Isothermal Amplification Kits

- High quality range of molecular biology reagents with sustainable advantages in terms of shipping and usage.
- Economical with no decline in performance
- Certain products from the range can be stored at higher temperatures saving energy and CO<sub>2</sub> from transportation
- Direct PCR kits eliminate the need for separate extraction kits, saving budget, plastic and time
- Complete range of PCR clean up and size selection beads for NGS

### Life Science Group Cell Culture Sera

- Complete range of sera and media, processed in the UK
- Reduced shipping and no vet certificate compared to EU processors
- High-quality, innovative life science solutions that support researchers worldwide
- Offerings include premium cell culture products, antibodies, and sustainable xeno-free cell transportation medium; CellShip



# Low Energy Equipment



## Haier Biomedical Laboratory Equipment

- Haier Biomedical were named Global Health Most Innovative Sustainable Company for 2023
- The range is expanding continuously with new innovations being launched regularly
- The current offering includes;
- Compact, efficient and cost effective **Autoclaves** with low water usage
- Low energy lab rated **Fridges and Freezers**
- Ultra low loss **LN<sub>2</sub> Storage Vessels** for every capacity requirement
- Affordable, high quality **Centrifuges** with a wide range of sample types and optional low energy refrigeration
- Precise, CO<sub>2</sub> saving **Incubators** with efficient decontamination cycles
- High efficiency -86 and -150 **ULT Freezers** with maximised sample storage capacity and back up compressor options - ideal for labs and biobanks
- Low energy **Class II and Laminar Flow** cabinets



## Lec Medical Fridges and Freezers

- Lec Medical have developed a range of laboratory fridges and freezers with reliability and ease of use in mind
- Compact with large internal storage capacity
- Shipped directly from Lec UK
- All laboratory fridges operate at a temperature of 2°C to 10°C freezers operate at -18°C and below
- Spark free
- Cost effective

# Eco Friendly Cleaning



## Naturama Natural Biocide

- NATURAMA is a specially developed and fully tested sustainable broad-spectrum cleaning agent and sanitiser that has undergone extensive laboratory testing
- Naturama Biocide has successfully passed BS EN 14476, BS EN 1276 and BS EN 13697
- Available in bulk containers enabling users to decant into smaller vessels, sprayers and bottles saving plastic and cost
- Made from natural ingredients
- Safe for use and disposal - No PPE required, reducing waste.
- Meets all climate change, carbon reduction, sustainability and environmental obligation
- Vegan, Halal and Kosher
- Fully recyclable containers

### Pack Sizes



## Sani Protect 360 Biodegradable Wipes

- Medical grade efficacy in 60 Seconds, sticky-free, environmentally friendly, gentle on skin and firm on germs
- Made with 100% biodegradable fibres and a 100% plant-based active formulation
- 100% recyclable packaging
- Manufactured in the UK, reducing your carbon footprint further
- Natural active disinfectant

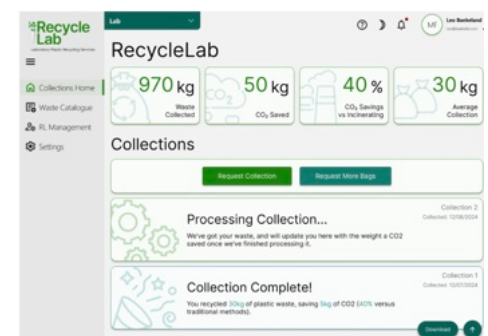


# Recycling



## Recycle Lab - Hazardous Lab Plastics Recycling

- Recycle Lab is on a mission to disrupt the current clinical waste management industry by providing a sustainable solution for single-use plastic waste in the science and healthcare industry
- Hazardous plastic waste can be treated and collected in Recycle Lab 90L waste bags ready for collection
- Waste is then sorted at Recycle Labs processing plant ready to be turned back into new lab plastics!
- The amount of plastic saved from incineration or landfill can be tracked on the Recycle Lab website for submission to frameworks, funding bodies or investors



## Envomed 80



- The safe, sustainable, and cost-effective way to treat your hazardous and infectious waste onsite
- Waste is collected across the site and either treated together or segregated depending on the desired outcome
- Sharps, plastics and other hazardous waste can be treated and the waste disposed of safely, avoiding costly incineration and reducing waste volume by 80%
- High quality lab plastics can be segregated and treated to produce a commodity
- Instrument can be purchased or financed with potential ROIs covering payments



## Contact Us



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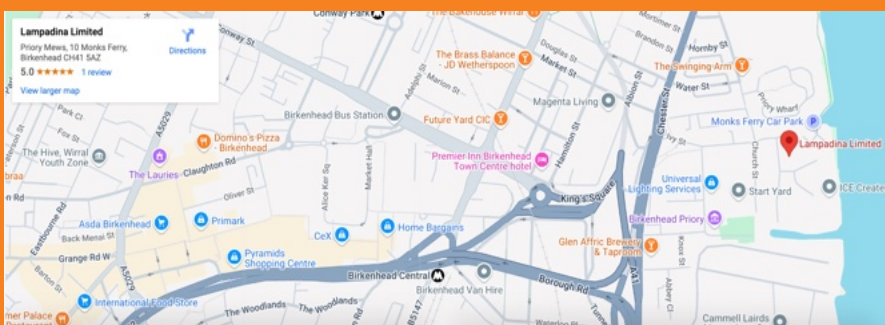
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100's  
Sustainable Products

35 Years  
Combined Experience

4  
My Green Lab Ambassadors