
Production Lab Technician

MiAlgae applies leading advances in science and technology to improve food security and reduce the impact of humanity on the planet.

Company Profile

Founded in 2016, MiAlgae leverages cutting-edge science and technology to tackle global food security and environmental challenges. Our breakthrough innovation lies in eliminating the need for wild-caught fish as a source of Omega 3, by harnessing microalgae, a sustainable and potent alternative.

Our production process recycles by-products from the food and drink industry to grow Omega 3 rich microalgae, returning clean water in the process and supporting a truly circular economy.

We are proud to be a diverse, family-friendly and inclusive employer, committed to equity and belonging in everything we do. We welcome applications from all backgrounds and are open to discussing flexible working arrangements that suit both you and the role.

The Opportunity

Reporting directly to the Production Lab Supervisor, you will work as a key part of the MiAlgae Production Team, contributing towards the successful commercialisation of the company's Omega-3 product and development of future products.

The core aspect of this role will be to ensure efficient planning and execution of day-to-day tasks within the Production Laboratory, and associated activities relating to this in other areas of the site, to fulfil required Inoculum and Site pieces throughput to fulfil Production targets and wider Business goals.

The role will require you to support the Production Team with laboratory upkeep, ensuring steady production of algal inoculum cultures and autoclaved site pieces for use at the Production Site according to Production schedules and demands to ensure production workflow is maintained.

The position will require you to work flexibly, often independently and within a fast-paced and demanding environment, prioritising work requirements which can change regularly.

This role is well suited to someone who enjoys hands-on work, solving problems, and contributing to a team focused on delivering results and scaling sustainable biotechnology.

Key Responsibilities

- Produce Laboratory-scale algal inoculum cultures to support production schedules.
- Maintain sterility and aseptic practices during inoculum preparation, sampling and autoclaving activities.
- Prepare, sterile and maintain ancillary equipment (pieces) to service Bioreactor builds on Site.
- Carry out laboratory checks including media preparation, pH adjustment and probe calibration.
- Complete production documentation including batch records, log sheets and check sheets.
- Co-ordinate contamination sampling, testing and results feedback with the Quality Control team.
- Co-ordinate with QC Department scheduling availability / planning of Autoclave usage within the PRN Lab.
- Operate and maintain autoclaves to ensure efficient sterilisation of laboratory materials.
- Maintain all laboratory equipment and report faults or maintenance needs immediately.
- Contribute to continuous improvement of laboratory processes.
- Maintain laboratory upkeep, clean, and organise in accordance with site standards.
- Support stock control of laboratory consumables and raw materials using MiAlgae MRP system.
- Contribute to the upkeep and development of Production Lab procedures, SOPs, and risk assessments.
- Support the training of laboratory staff and students where necessary.

About You - Experience & Qualities

We are seeking driven individuals with a flexible approach to work, can help meet a growing demand, provide holiday/absence cover and who are keen to make their mark within a rapidly growing award-winning biotechnology scale-up company.

Essential Experience:

- Have relevant experience working in a production environment and have an interest in documentation control, processes and continuous improvement.
- Demonstrated experience working with aseptic techniques and maintaining sterile laboratory practices.
- Experience in media preparation, laboratory sampling and routine laboratory testing (e.g. pH adjustment or probe calibration).
- Experience operating laboratory equipment such as autoclaves or similar sterilisation systems.
- Have strong organisational and time management skills, with the ability to plan and prioritise tasks in a fast-paced production laboratory environment.
- Be comfortable working independently as well as part of a team, maintaining clear communication with colleagues across production and quality teams.
- Have basic understanding of quality and compliance principles, such as GMP, HACCP, ISO standards.
- Have good attention to detail, particularly when completing documentation such as batch records, log sheets and check sheets.
- A proactive and flexible approach to work, with the ability to adapt to changing production priorities.

Desirable:

- Understanding of fermentation.
- Knowledge of axenic culture creation and maintenance.
- Understanding of quality control and quality management systems.
- Interest in biotechnology, sustainability, or environmentally focused production processes.

Details

Location: Based at MiAlgae's Production Laboratories in Grangemouth, Falkirk. Some travel to Edinburgh Office / R&D labs may be required occasionally.

Employment type: Full-time (Shift working)

What We Offer

- **Competitive Compensation:** A market-aligned salary (as noted). We reward high performance and business impact.
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What We Offer

- **Holidays:** 32 days holiday per year (including bank holidays) to recharge and refresh, plus flexible working arrangements to support work-life balance. Additional annual leave per complete year of service – up to 5 additional days. Our holiday purchase scheme offers even more flexibility, allowing you to buy extra days when you need them.
- **Pension & Benefits:** 5% company pension contribution. We also offer a Cycle to Work and Electric Car salary sacrifice schemes. Free on-site parking is available for all employees.
- **Wellness Perks:** 50% company contribution to gym membership to support your health and wellbeing - terms apply. You'll also enjoy regular social events and team activities - because at MiAlgae, it's all about the folk and celebrating our successes together.
- **Growth & Development:** Join a high-growth, purpose-driven business where you can shape your own career path. We offer professional development support and opportunities to collaborate cross-functionally, helping you deliver results and make an impact.
- **Mission & Impact:** Be part of a pioneering biotech company delivering innovation with purpose - reducing reliance on wild-caught fish, supporting the circular economy, and driving a more sustainable pet food industry. Your work will directly contribute to creating a healthier planet.

Ready to Apply? If you're excited by the opportunity to help shape a more sustainable future, we'd love to hear from you.

Please send your CV and a cover letter explaining your interest to careers@mialgae.com.

Grangemouth Job Prioritisation Scheme (GJPS). If you wish to be considered under the Grangemouth Job Prioritisation Scheme, please indicate this when applying.

How to apply

Please provide your CV, cover letter explaining your interest to:
careers@mialgae.com