

Newform Foods Shapes Tomorrow's Food Landscape with Support from Labstep, a STARLIMS Company

Newform Foods has digitalized its R&D efforts with the Labstep Electronic Laboratory Notebook (ELN), increasing productivity, collaboration and knowledge sharing, and data security.

Animal agriculture dominates vast swaths of land, depletes freshwater supplies, and fuels deforestation. Newform Foods addresses this challenge by leveraging a continent-spanning R&D platform to help food producers, retailers, and business owners develop and scale cultivated animal products, at a significantly lower cost than the industry norm. Newform Foods uses smart cellular agriculture technology and advanced science to create different kinds of cultivated meat and food products efficiently and cost-effectively. The Labstep ELN has played a pivotal role in Newform Foods's journey by transforming its R&D laboratory processes and unleashing the power of experiment data.

BUSINESS CHALLENGES

Established in 2020, Newform Foods rapidly expanded its R&D operations. However, the research team required a centralized system for data capture and collaboration. Seamless knowledge sharing and real-time progress tracking was needed to advance experiments efficiently and quickly. Newform Foods also understood that siloed systems could jeopardize the protection of its valuable intellectual property (IP). The leadership team wanted to create a culture of transparency around their experiments, without sacrificing security.

WHY NEWFORM FOODS SELECTED THE LABSTEP ELN

Recognizing the need for a solution that would simplify experiment execution while streamlining their R&D, Newform Foods selected the Labstep ELN to streamline the documentation of



"All our experiments, data sets, protocols, and inventories are stored in Labstep. There is a culture of transparency within Newform where everybody has access to research and knowledge."

**- Uraisha Magan,
Head of R&D at Newform Foods**

experiments, foster seamless collaboration among teams, and support its compliance goals. The cloud-based Labstep ELN is a user-friendly and flexible solution, tailored to suit the needs of modern R&D researchers. Newform Foods successfully centralized all research data within the Labstep ELN, creating an accessible, transparent, and traceable digital environment where its research teams could collaborate and provide feedback in real time.

Labstep's modern user experience and intuitive design made it easy for Newform Foods's teams to get started quickly. Interactive step-by-step protocols would enable researchers to seamlessly capture relevant data during experiments, with team leaders being able to input feedback remotely through in-line commenting and tagging features. With the Labstep ELN, Newform Foods can capture and manage all research activity, including samples, reagents, and consumable use.



The ELN's powerful API connects digitally to instruments, devices, and systems, and feeds live information directly into experiment records, ultimately minimizing manual documentation efforts and allowing researchers to extract significantly more value from experiments.

RESULTS

The Labstep ELN has proven to be a game-changer for Newform Foods. The entire R&D team has access to all their experiments, data sets, protocols, and inventories, whether they are working in the lab or remotely. This has supported the company as it advances the development of its groundbreaking technology. One of the biggest impacts has been the significant reduction in time researchers spend on manual record keeping and information retrieval. With centralized data access, Newform Foods can validate their protocols and SOPs, allowing maximum precision when conducting experiments. By automating and simplifying data capture and documentation, the Labstep ELN liberates researchers to focus on what they do best: advancing its experiments.

The secure, cloud-based Labstep ELN platform has fostered collaboration and enhanced the safety and integrity of Newform Foods's valuable research data. With a robust system in place, Newform Foods teams can work together efficiently and confidently, knowing its data is accessible, yet protected with end-to-end encryption and full-audit traceability. The Labstep ELN has become an invaluable tool in Newform Foods's quest to revolutionize the future of food.

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