

Case Study

tailor-made Proteinase K for a diagnostic manufacturing company

Customer Company Profile

Midsize, EU-based Company that specializes in nucleic acid purification for over 20 years and provides custom development and contract services to global in vitro diagnostic companies. The company offers NA (Nucleic Acid) purification solutions for manual and automatic DNA / RNA extraction from any sample.

Background

The client is in the process of developing a new platform to extract nucleic acids from various samples. For this, he needs Proteinase K with specific properties that would fit perfectly into the process. The product has to be manufactured on a large scale, proven quality, and long-term stability tests.

Customer needs

- Proteinase K tailored to individual needs
- Customized QC methods included in CoA
- Stable stocks
- Scale supplied: 100g — 1000g
- Possibility of portioning in large quantities
- R&D consultation on product properties

Challenges

The client requested a product with unique properties which was not available on the market. For this reason, the establishment of a new production process development was required, under the supervision of an appointed project management team.

Partnership

The motto 'Enzymes As You Need' is the foundation of our business. Thanks to a flexible approach and strong scientific background in the R&D department, we can offer our clients an individual approach and dedicated solutions. A signed qualitative contract assures mutual understanding, meeting the project deadlines, and ensuring the quality and consistency of all properties of the product.

Results

After eight weeks of internal development, the customer received the first samples of several product variants subjected to testing. After agreeing on the product quality parameters, the client accepted cooperation terms regarding standard delivery conditions to safeguard the supply chain. The adaptation of the production process and individual stages of purification took place in constant contact with the customer. The product samples submitted for testing confirmed the expected final quality. Six months after commencing the project, the final version of the product, along with its production process, was approved by the customer.

Summary

By partnering with our client, we were able to provide unique specifications that were essential for the project. The customer approved the product quality, which was tailored to his specific application, and confirmed by a jointly developed quality control test. The final product perfectly integrates into state-of-the-art technology and pioneering equipment, which provides a competitive advantage in the market. The cooperation based on trust, transparency, and flexibility, was a key to success in a novel product development, which met all previously set requirements.



Quality control

The unique property of the product – solubility in the buffer, was incorporated into the CoA for the customer. Each production batch of the product was tested with the analytical methods accepted by the customer. The customer was assured that he receives a product that meets expectations, confirmed by the quality documents. Proteinase K with unique properties has also been tested for long-term stability and extreme conditions during delivery to provide a wide range of information. The essential quality parameters were included in the Certificate of Analysis.

Customer benefits:

- Proteinase K with required features
- Custom QC documents according to agreement
- Fast project realization
- Established supply chain
- Fast delivery and stocks of the product

About BLIRT – Biolab Innovative Research Technologies

BLIRT is a primary European manufacturer of recombinant enzymes for the Life Science industry.

The motto of Enzymes As You Need reflects both our business philosophy and the reasonable offer for B2B partners. We focus on providing components – enzymes for customers' innovative products and additional portioning services, adjusting the product form, and a flexible cooperation model.

Experienced R&D team offers full technical support to

meet the most complex customer requirements, including product adaptation and process adjustment.

Quality

Quality management system, necessary to ensure reproducible and reliable work results comprise three elements – strict separation of various production facilities, carefully designed and monitored processes and know-how of a very experienced team.

ISO

ISO 9001
ISO 13485



Bulk
quantities



Technical
Support



At your service
since 1994



Made
in Poland



Partnership

Customer
contacted us

Customer
received first
samples for
testing

8 weeks

Contract
signed

Further
product and QC
development
and evaluation

6 months

Customer
approved final
product

The customer
has a stable
supply chain

10 months

Testimonials

„Our company confirms that cooperation with BLIRT S.A. proceeded without objection and following previous findings. The partnership included the following scope of work: Delivery of tailored-made Proteinase K, The enzyme exhibits very high activity and purity in every lot. We are also very happy with the timelines and flexibility concerning the aliquots prepared by the producer. BLIRT S.A is distinguished high technical skills and affordable prices. The company is reputable and worth recommending to other customers.“

CEO, German company