

## PCR reagents of the future: development of novel, innovative products

TargetEx Ltd. has developed new, innovative molecular diagnostic products in two different product groups. One product group shows definitive improvement in the performance of PCR and RT-PCR reactions, by increasing the storage stability of *Taq* polymerase enzyme and enhancing the stability and inhibitor resistance of a reverse transcriptase enzyme. The other product group developed applies to next-generation sequencing (NGS), particularly for long DNA fragments amplification.

In both cases, we designed and performed the necessary protein modifications and developed new formulation buffer systems, then produced protein prototypes to compare them with existing diagnostic methods. The protein products developed with this method will be of exceptional quality and performance, ensuring their successful market entry.

### **Project Data:**

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