

HETTICH CENTRIFUGES APPLICATION NOTE

FEATURING THE ROTANTA 460 BENCHTOP CENTRIFUGE

Invention of a New Fungal Protease

The Hettich ROTANTA 460 benchtop centrifuge was employed by researchers to develop and patent a novel fungal protease.

Researchers sought to provide a serine protease of fungal origin with wide-ranged substrate specificity and activity. The new fungal protease also needed to tolerate both high and low temperatures, and be producible in high yields cost-effectively.

Microbial proteases are important hydrolytic enzymes that are used for industrial purposes such as food, leather and pharmaceutical processing and production. The new protease would be useful for many applications involving the modification, degradation and removal of proteinaceous material.

The Hettich ROTANTA 460 was used to evaluate enzyme activity during the experimental phase. Researchers assayed the protease activity using a casein substrate in the Folin-Ciocalteu method. The casein substrate was centrifuged at 4000 rpm for 10 minutes.

Hettich offers a complete line of centrifuges for applications in all fields, including industrial innovation. The Hettich ROTANTA 460 is a high-capacity, high-throughput centrifuge that is safe, quiet, reliable, and well suited for most applications.

Learn more about the Hettich Rotanta 460 benchtop centrifuge at <http://www.hettweb.com/hettich-rotanta-460-centrifuge.html>



HETTICH ROTANTA 460

Max. Capacity: (up to) 4 x 750 mL
Max. RPM/ RCF: 15,000/ 24,400
Temp. Control (Optional): N/A

→ [learn more about this centrifuge](#)