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Product Information

Heparinase II from *Flavobacterium heparinum*

Product Number **H 6512**
Storage Temperature -0 °C

Product Description

CAS Number: 149371-12-0

Heparinase II has been resolved from all other known heparin-degrading enzymes of *Flavobacterium heparinum*. This lyase includes the activity previously known as 'heparitinase II' and, in addition, has been shown to possess true heparinase activity.¹ The substrates specificities of heparinase preparations have been compared.²

Heparin interferes with DNA transcription in PCR and in reverse transcription of RNA. Sigma's Heparinase I (Product No. H 2519) and II (Product No. H 6512) have both been used successfully to remove that interference.^{3,4} The product contains both heparinase I and heparinase III activities.

One International Unit (I.U.) is equivalent to approximately 600 Sigma units.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Storage/Stability

Heparinase II is unstable at elevated temperatures and can be heat inactivated by boiling.

References

1. Proc. 8th Int. Symposium Glycoconjugates, **1**, 73 (1985).
2. Linhardt, R.J., et al., Examination of the substrate specificity of heparin and heparan sulfate lyases. *Biochemistry*, **29**, 2611-2617 (1990).
3. Imai, H., et al., Detection of HIV-1 RNA in heparinized plasma of HIV-1 seropositive individuals. *J. Virol. Methods*, **36**, 181-184 (1992).
4. Beutler, E., et al., Interference of heparin with the polymerase chain reaction. *Biotechniques*, **9**, 166 (1990).

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