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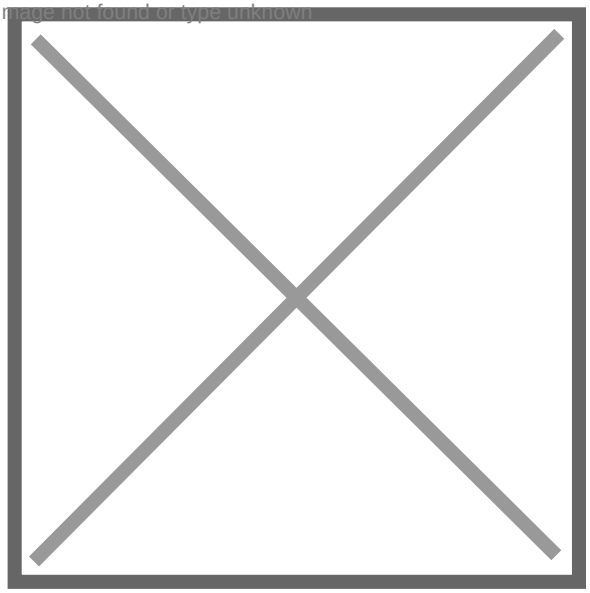
Product Name :

Protease Enzyme (DNA Separation)

Product Code :

SCL417/0118

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Description :

Protease Enzyme (DNA Separation) (Product Code: SCL417/0118) is a protein-digesting enzyme used to strip proteins away from DNA in classroom DNA separation and enzyme practicals. Supplied in a 500 g pack of listed analytical reagent grade with an MSDS, it is anatural fit for any biotechnology lab kit in India built around DNA work. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Product	Protease enzyme
Listed grade	Analytical reagent
Capacity	500 g
Documentation	Supplied with MSDS
Listed application	DNA separation practicals
Shelf life	Depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted
Product code	SCL417/0118
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Protease Enzyme Used For?

In a classroom DNA separation, crushed fruit, onion or cheek cells are mixed with a salt and detergent solution to open the cells. A small amount of protease is then stirred in and the mixture is left to stand, often in a warm water bath, while the enzyme digests the proteins that hold DNA in a tightly packed form. After filtering, chilled alcohol is poured gently down the side of the tube, and the freed DNA gathers at the boundary as a white, stringy mass that students can lift out.

Protease also makes a clear stand-alone demonstration of enzyme action. Added to a cloudy egg-white suspension or to milk, it gradually changes the protein, and students can confirm the breakdown by showing a weaker biuret result or a stronger ninhydrin result as digestion proceeds. Setting tubes at different temperatures and including a boiled-enzyme control turns the activity into a complete investigation, similar to those in an enzyme activity kit for biology classes.

Supplier

This enzyme is supplied by **Jain Scientific Equipments Private Limited**, whose trading name is **ScienceLab**. The Ambala, Haryana company sources enzymes and other reagents for biology and biotechnology practicals, so a DNA isolation session can be ordered together with its glassware and water bath. Visit the company profile for more.

Related Biology Lab Products

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