

Pellet Paint® Co-Precipitant for microarray work

VGN Microarray Outreach

In addition to their work at the Microarray Core Facility, Tim and Scott are members of the VGN Microarray Outreach team, which developed a hands-on microarray laboratory module to use at undergraduate schools in Vermont. The Microarray Outreach program, directed by Dr. Christopher Allen and coordinated by Dr. Janet Murray, provides all necessary teaching and laboratory materials and equipment for schools to run the module. The materials include a very detailed 41-page lab manual, which can be downloaded from the Microarray Outreach web page, <http://www.uvm.edu/~vgn/index.php?ContentID=10>. Lab manual instructions include using Pellet Paint® Co-Precipitant in the cDNA precipitation step and show an image of the pink pellet to provide an easy reference for students. An AVI video demonstrating how to clean the cDNA pellet can also be downloaded from the Microarray Outreach webpage.



Novagen® Pellet Paint Co-Precipitant image used in the VGN Microarray Outreach Lab Manual

Conclusion

Pellet Paint Co-Precipitant facilitates the precipitation of nucleic acids and pellet handling without interfering with most downstream techniques. We thank Timothy Hunter and Scott Tighe for their use of Pellet Paint Co-Precipitant and for sharing information about their work with us. ■

Product	Size	Cat. No.	Price
Pellet Paint® Co-Precipitant	125 rxn	69049-3	
	1000 rxn	69049-4	
Pellet Paint® NF Co-Precipitant	125 rxn	70748-3	
	1000 rxn	70748-4	

Components

Cat. No. 69049	
• 250 µl or 2 ml	Pellet Paint Co-Precipitant
• 1 ml or 8 ml	3 M Sodium Acetate, pH 5.2
Cat. No. 70748	
• 125 µl or 1 ml	Pellet Paint NF Co-Precipitant
• 1 ml or 8 ml	3 M Sodium Acetate, pH 5.2

REFERENCES

- McCormick, M. 1996a. *inNovations* 4a, 10.
McCormick, M. 1996b. *inNovations* 5, 10.

NEW lower price for Proteinase K

As the major producer of Proteinase K worldwide, improved manufacturing processes have reduced our costs, and now we can pass the savings onto you. Without a reduction in the enzyme quality and purity that you expect, Proteinase K for techniques like nucleic acid purification and tissue digestion is now even more economical.

Efficient removal of proteins from nucleic acid solutions


Proteinase K is a highly active 28.9-kDa serine protease isolated from the fungus *Tritirachium album*. The enzyme exhibits broad cleavage specificity on native and denatured proteins and is widely

used in the purification of DNA and RNA. Activity is increased in the presence of denaturants such as SDS (1%) and elevated temperature (50–60°C). Recommended working concentration is 50–100 µg/ml for protein removal and enzyme inactivation, and up to 2 mg/ml for tissue treatment. Proteinase K, Lyophilized powder can be prepared as a 20 mg/ml (approximately 600 mAU/ml) stock solution in water and stored in aliquots at –20°C. The enzyme is also available as a ready-to-use concentrated stock solution (600 mAU/ml) that is convenient for routine use in most applications. 1 mg of Proteinase K is the equivalent of

30 mAU (AU = Anson unit). Novagen® Proteinase K products are free of detectable DNase and RNase.

Unit definition: One AU is defined as the amount of enzyme that liberates 1.0 µmol (181 µg) of tyrosine from casein per minute at pH 7.5 at 37°C. ■

Product	Size	Cat. No.	Price
NEW LOWER PRICE			
Proteinase K Lyophilized	100 mg	70663-4	
	500 mg	70663-5	
Proteinase K Solution 600 mAU/ml	2 ml	71049-3	
	10 ml	71049-4	

 Proteinase K is also available in bulk quantities