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NeoGeneStar™ 20X Pretreatment Buffer

For Pretreatment of Plasma, Urine and CSF

Cat. #	NGS-PT-50	For 50 ml of Sample
	NGS-PT-250	For 250 ml of Sample
	NGS-PT-1000	For 1000 ml of Sample

For Research Use Only.



Kit Contents

Catalog Number	Volume of Sample	20x PT Buffer*
PT-50	50 ml	2.5 ml
PT-250	250 ml	12.5 ml
PT-1000	1000 ml	50.0 ml

* The tubes contain irritants, please wear gloves and handle with appropriate laboratory safety measures.

In the event that the 20X PT Buffer is chilled, a precipitate may form, it would be necessary to warm the 20XPT Buffer to fully dissolve

Pretreatment Guidelines:

Sample Volume	20x PT Buffer	25x NGS Protease or Proteinase K (20mg/ml)	RNA Carrier (200ng/ μ l)
200 μ l	10 μ l	8 μ l	5 μ l
1.0 ml	50 μ l	40 μ l	5 μ l
2.5 ml	125 μ l	100 μ l	5 μ l
4 ml	200 μ l	160 μ l	5 μ l
8 ml	400 μ l	320 μ l	5 μ l

Protocol:

- 1) Add 20x Pretreatment buffer to the sample as indicated in table above.
- 2) Add 25x NGS Protease according to the chart above.
- 3) Add 1 μ g of RNA carrier per sample (5 μ l at 200ng/ μ l).
- 4) Mix by inversion, incubate at 55-60°C for 30 minutes
- 5) Proceed with cfDNA purification as per original sample volume.

Note: Pretreatment can be performed at room temperature, stabilize cfDNA for up to 2 weeks. Prior to cfDNA purification, incubate at 55-60°C for 30 minutes.

Proceed to NGS cfDNA purification based on specified sample volume, ie. 4 ml of plasma will result in about 4.3 ml after pretreatment – add the entire 4.3ml to the NGS 4ml LYS tube.

The information in this guide is subject to change without notice.
Patent pending.

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