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# **NeoGeneStar™ Stabilization Kit**

## **For Pretreatment of Plasma, Urine and CSF**

**For pretreatment prior to cfDNA Isolation using the NeoGeneStar cfDNA Kits**

- Cat. #      NGS-Stabil-50 – For 50 ml of Plasma**
- NGS-Stabil-250 – For 250 ml of Plasma**
- NGS-Stabil-1000 – For 1000 ml of Plasma**

For Research Use Only.



## Kit Contents

Catalog Number	Volume of Sample	20x PT Buffer*	NGS Protease
NGS-Stabil-50	50 ml	2.5ml	2 ml
NGS-Stabil-250	250 ml	12.5 ml	10 ml
NGS-Stabil-1000	1000 ml	50ml	40 ml

\*The 20X PT buffer contains 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 20X PT Buffer to fully dissolve**

### Pretreatment Guidelines:

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

Proteolytic digest will increase cfDNA yield nominally 2 to 3 fold.

- 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 1μg of RNA carrier per sample (5μl at 200ng/μl).
- 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 for overnight at room temperature, then storage /shipping at room temperature. 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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