

Filgrastim - (Neupogen®) – PK ELISA

Cat# SB-07-019

For the quantitative determination of filgrastim in human serum and plasma.

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| Description | Sandwich enzyme immunoassay. |
| Detection Method | Colourmetric |
| Storage | Kit ships at 2 to 8°C. Multiple storage temperatures upon arrival. |
| Calibrator | Human G-CSF Standard |
| Assay Range | 10,000 to 150 ng/mL |
| Sensitivity | 150 ng/mL. |
| Precision | Intra-assay precision ranges from 4 to 11%. Inter-assay mean precision is 13%. Determined by analysis of samples at 150 ng/mL in 6 replicates, on 6 different occasions. |
| Accuracy | Determined by analyzing three levels of quality control samples in 6 replicates on 6 different occasions. The Mean %bias is $\leq 20\%$. |
| Total Error | Calculated by adding the mean %bias with inter-assay variability (%CV). The Total Error is $\leq 20\%$ |
| Interpretation of Results | A calibration curve is constructed by plotting the absorbance values on a 4-point parameter fit curve. Concentration of filgrastim in test samples is interpolated from the calibration curve. |
| Safety Warnings and Precautions | All reagents and samples should be handled as if potentially hazardous and infectious. It is recommended that all kit reagents are handled by trained laboratory staff and are used in accordance with GLP. |