4.3 BIO-ANALYTICAL – Results of Subject Sample Analysis

As per the protocol, a total of 1703 blood samples were collected for the estimation of Levetiracetam in plasma. Analysis was performed on 1703 plasma samples from 24 subjects who completed both the periods of the study.

The representative chromatograms of – reference solutions, blank plasma, blank plus internal standard, calibration standard samples (calibrates), low; middle; and high quality control samples (LQC, MQC and HQC) and different time-point plasma samples of subject no 01 are attached in the annexure V (Figures 1 to 11).

Linear and Semi-Log Plots of Mean Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr) are presented in Figure 12 and Figure 13 respectively.

Linear plots of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr) for subject numbers 01 to 24 are presented below in this section in figures 14(a) to 14(x).
Figure 12: Linear Plot of Mean Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr)
Figure 13: Semi-Log Plot of Mean Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr)
Figure 14 (a):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.1
Figure 14 (b):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.2
Figure 14 (c):

**Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.3**
Figure 14 (d):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.4
Figure 14 (e):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.5
Figure 14 (f):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.6
Figure 14 (g):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.7
Figure 14 (h):

Linear Plot of Individual Plasma Leviracetam Concentration (ug/ml) Versus Time (Hr): Subject No.8
Figure 14 (i):

.Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.9

![Linear Plot of Individual Plasma Levetiracetam Concentration (ug/mL) Versus Time (Hr)](image-url)
Figure 14 (j):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.10
Figure 14 (k):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.11
Figure 14 (l):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.12
Figure 14 (m):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr) Subject No. 13
Figure 14 (n):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.14
Figure 14 (o):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.15
Figure 14 (p):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.16
Figure 14 (q):

**Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.17**
Figure 14 (r):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.18
Figure 14 (s):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.19
Figure 14 (t):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.20
Figure 14 (u):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.21
Figure 14 (v):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.22
Figure 14 (w):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No.23
Figure 14 (x):

Linear Plot of Individual Plasma Levetiracetam Concentration (ug/ml) Versus Time (Hr): Subject No. 24