**Supplementary data**

*Supplementary Table 1*

**Calculated blood/plasma ratio based on the analysis of 21 (VPA), 18 (CBZ) and 13 (PB) left-over whole blood samples.**





*Supplementary Table 1* **Continued**



*Supplementary Table 2*

**Stability data for VPA, CBZ, and PB in VAMS samples at Low and High QC (n=3), and left-over patient blood samples (n=3). Data are presented as the percentage difference between the concentration measured in samples stored at -20°C and in samples stored at -80°C.**



*Supplementary Figure 1*

**Long-term stability prediction at -20°C for VPA, CBZ, and PB in VAMS samples. Dotted lines indicate the ±15% acceptance limits.**



*Supplementary Figure 2*

**Percentage difference between concentrations obtained via the analysis of VAMS and DBS in function with a patient’s hematocrit.**

