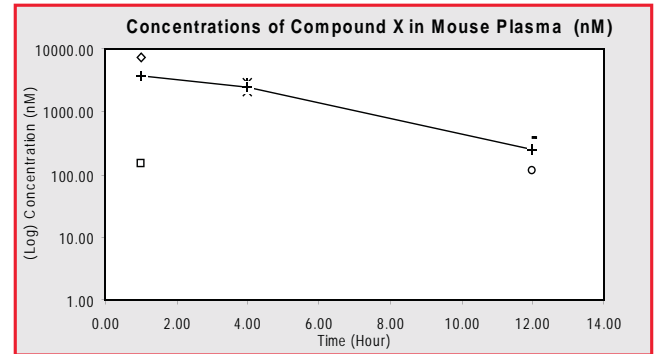


Serial Micro Sampling

Why SMS?

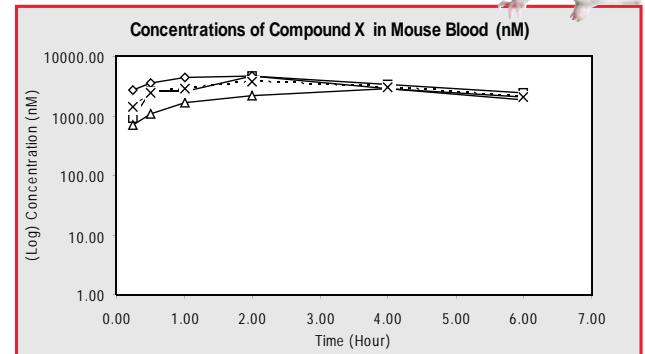
- **For small animal studies**
- **Can eliminate the need to sacrifice an animal per time point**
- **Can decrease inter-animal variability commonly observed in small animal PK/PD studies**
- **Can obtain PK information in PD animals**



N = 9 animals dosed with Compound X
1 timepoint per animal

Advantages:

- **Complete PK profile with fewer animals**
– 1 mouse per time-course vs 1 mouse per time point
- **PK profile in the same animals as the PD determination**
- **Decreased experimental variability**



N = 3 animals dosed with Compound X
6 timepoints per animal

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