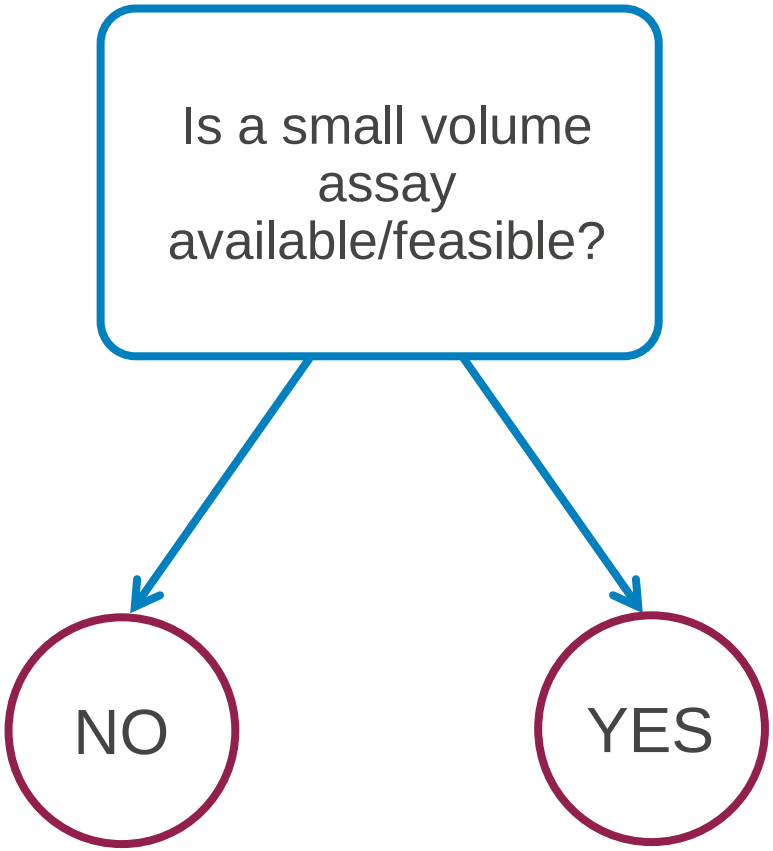
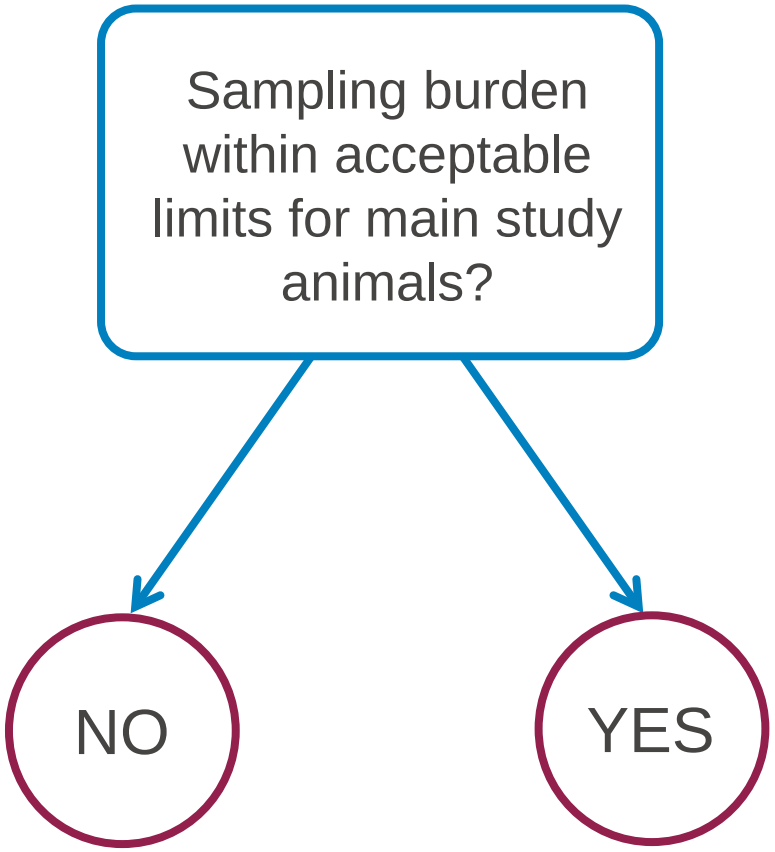


A microsample is generally less than 50µl blood, but the following considerations should be made:

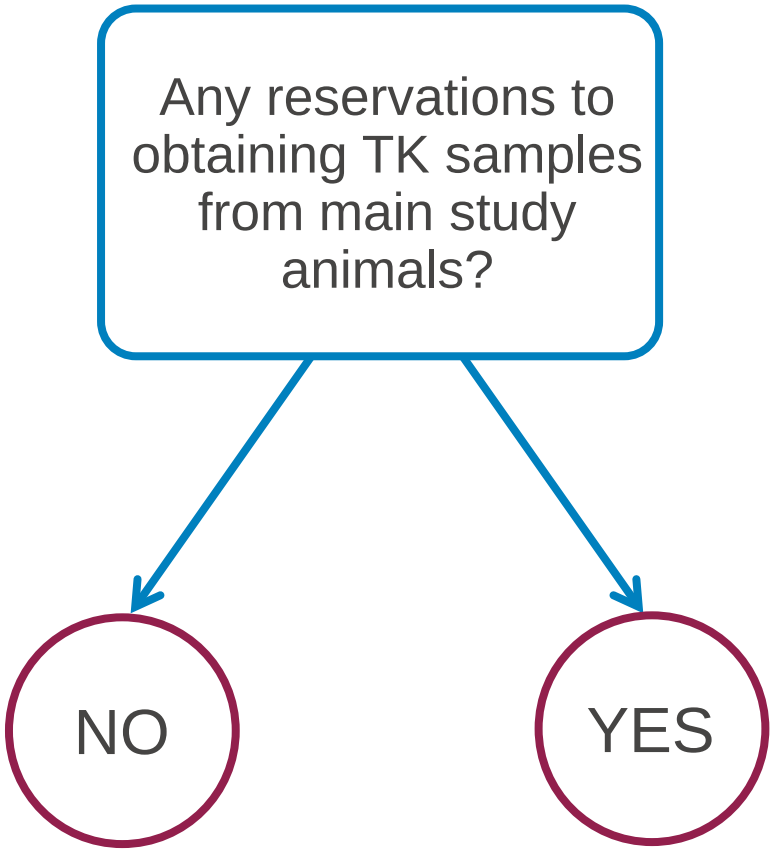
- potential plasma yield from your microsample
- plasma/serum volume required for each assay
- requirement for multiple analyses
- requirement for Incurred Sample Reanalysis (ISR) on GLP studies

Select YES or NO to advance



Considerations:

- length of study
- number of timepoints
- TK sampling from all animals or subsets (serial or composite sampling)
- frequency of sampling
- total blood volume required
  - haematology & blood chemistry
  - toxicokinetics
  - pharmacodynamics
  - anti-drug-antibodies
- species blood volume limits



Considerations:

- reduced bodyweight gain
  - use experience of compound/ previous studies and be conservative when ensuring total blood volume required is within limits
- cardiovascular effects
- if blood or bone marrow is possible target organ
- if taking micronucleus sample from main study animals

Recommendation:

Discuss options with your bioanalyst and consider conventional sampling

Further information:

- have an open and honest conversation with your bioanalyst about the possibility and limitations for adapting an assay for microsampling, and how much work this might involve
- for more information on conventional sampling, visit our blood sampling resource

Recommendation:

Use microsampling from small groups of satellite animals

Further information:

- access example study designs for microsampling from satellite animals here
- find details and videos on microsampling techniques here

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Recommendation:

Use microsampling from main study animals

Further information:

- access example study designs for microsampling from main study animals here
- find details and videos on microsampling techniques here

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