



Guidelines for Specimens: Sampling, Processing, Transport

- record information about sampling sites
 - essential: GPS coordinates + date and hour + sampler name
 - if possible: altitude + type of landscape + weather
 - privilege sites further from urban environments when possible
- catch live individuals with net or trap
 - aim sequence 10 males per population (different families), within 50 km
 - if fewer than 10 males:, combine sampling visits/years; add females
 - minimize disturbance of community by not over-sampling
- transport to the lab live, kill by freezing and keep frozen until processing
- assign individual ID and include information on species and sex (+ name of identifying person)
- separate body parts while preventing thawing of specimen
 - keep wings (cut close to hinge) in a glassine envelope (keep at RT or 4C)
 - use thorax for DNA extraction or keep in Eppendorf tube with ethanol 96% at -20C until DNA extraction
 - if possible, keep abdomen in ethanol at -20C (might be used for microbiota analysis)
- wing imaging standards?
- if DNA is to be extracted elsewhere, transport specimen in Eppendorf tube with ethanol keeping cold as much as possible
- **Minimal metadata required** about sampling: species, sex, date, GPS coordinates, collector name. See <https://lepeu.github.io/database.html>.
- **Nagoya regulation** is country specific. Please check with your National Coordinator.