



DNA barcoding check list

The following steps must be carried out before taking a sample for DNA testing

- Photos of the mushroom taken in the field
 - With sample number
 - And ruler
- Sample collected in accordance to the sampling protocol
- Sample collection sheet filled out
- Photos documenting fungi's major features taken
 - With sample number
 - May be taken in the field or later during workup
- Appropriate sample description sheet filled out
- Mushroom prepared for drying into a voucher

The following steps are optional but it makes the sample more valuable if they have been performed:

- Spore print taken (where possible)
 - Sample number on spore print card
- Chemical testing
 - Iron Salts
 - Potassium hydroxide
 - Ammonia
- Spores checked under microscope
 - For shape and size
 - Spores stained
 - Images of spores

If the sample meets the above requirements then you can sample the DNA

- Sample of mushroom applied to FTA plant saver card as per DNA sampling protocol
- Specimens prepared as a voucher as per the voucher preparation protocol

The voucher, FTA cards and documentation should be returned to Richard Jacob for submitting to DNA sequencing and archiving. Email: dna-barcoding@wpamushroomclub.edu, Tel: 215 888 5503