

# SAMPLES AND ISOLATES

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Presentation to Campylobacter Workshop  
Wellington  
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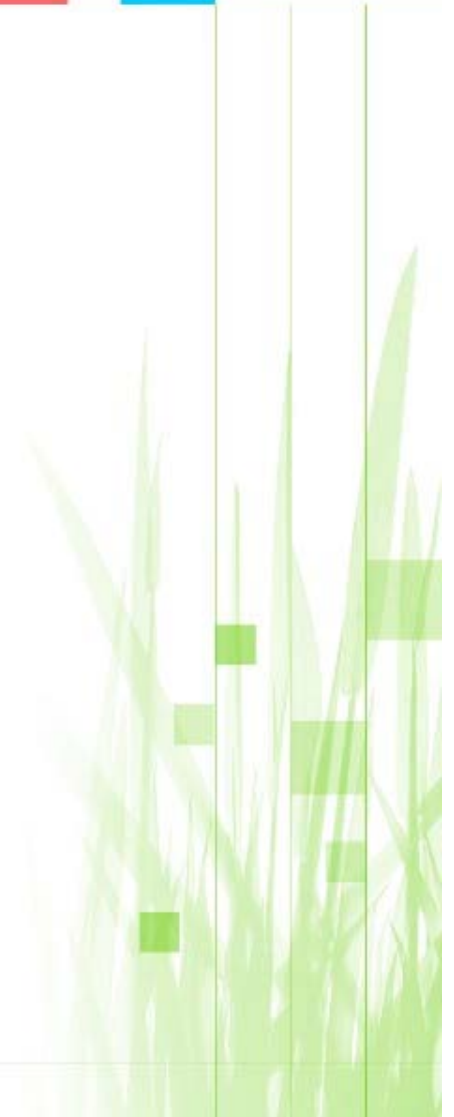
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# Sample collection

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- **Liquids**
  - Volume collected reflects concentration
  - Containers filled to avoid aeration
- **Solids**
  - Sufficient size to reflect concentration/dispersion
- **Swabs**
  - Sufficient area to reflect concentration/dispersion
  - Transport medium
- Chill but do not freeze
- Best practice - analyse within 24 h



# Sample transport

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- Maintain chilled temperature
- Best practice - same day transport to lab
- Biohazard sticker
- Laboratory refrigerates samples on arrival



# Selection, storage and transport of isolates

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- **Selection**
  - Best practice – 5 colonies from selective isolation plates  
Subculture to blood agar until pure cultures obtained
- **Storage**
  - -80°C  
Glycerol broth
  - -20°C  
Amies charcoal swabs  
Glycerol skim milk
- **Transport**
  - Amies charcoal swabs
  - Maintain chilled temperatures
  - 24 h maximum

# Labelling of isolates for typing

- Sample source (geographical location)
- Sampling date and time
- Method of collection (e.g. swab, excision) and volume or size of sample
- Details of how sample was stored and transported to the analytical laboratory
- Identity of sampler
- Identity of analytical laboratory
- Method of analysis of *Campylobacter*
  
- List any other analysis that will be carried out on that sample – including information whether the sample is one of a series
  
- Anything else?