

# Instructions for collecting grape cane samples or hardwood cuttings for virus testing



Brock University

## GETTING STARTED

The following instructions will guide you on how to collect and send grapevine cane or hardwood cuttings to CCOVI's grapevine virology lab. Included in the instructions are cane cuttings collection methods from a single vine as well as a composite of two vines.

### A. LABEL THE SAMPLE COLLECTION BAG

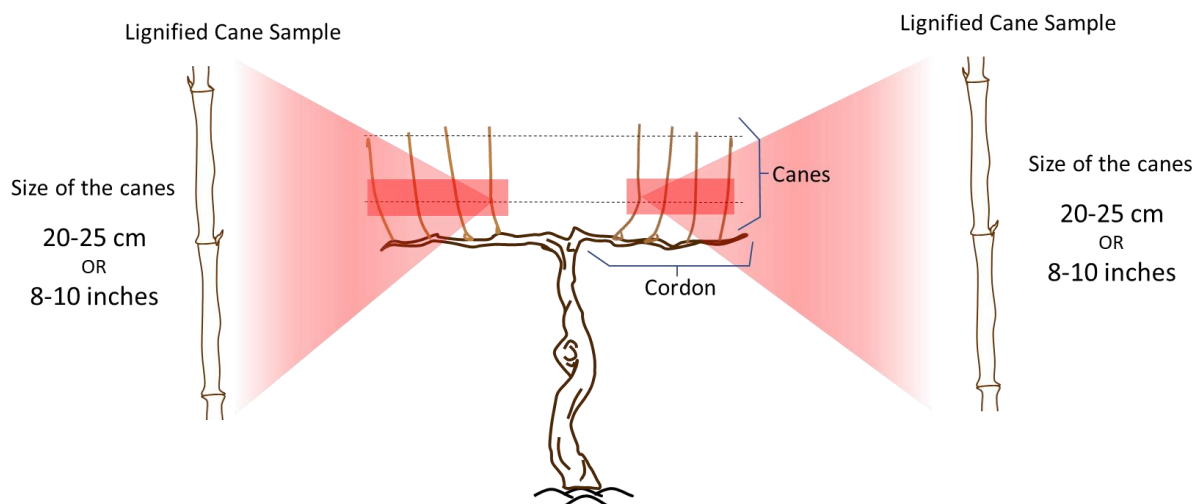
Label each sample collection bag (typically, medium size freezer Ziploc bag or any other bag with a closure) using a permanent marker with the following information

- Name of the Vineyard
- Name or Number of the Block
- Name of the Variety/Cultivar
- Number of the Row
- Number of the Panel or Post
- Number of the Vine

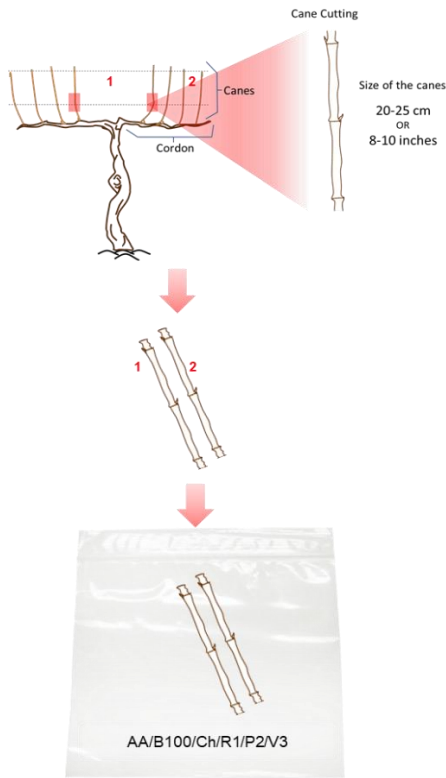
*Example: AA/B10/CH/R1/P2/V3 (Vineyard name short form / Block number / Varietal name / Row number / Panel (post) number / Vine number)*

### B. COLLECT THE CANE CUTTINGS

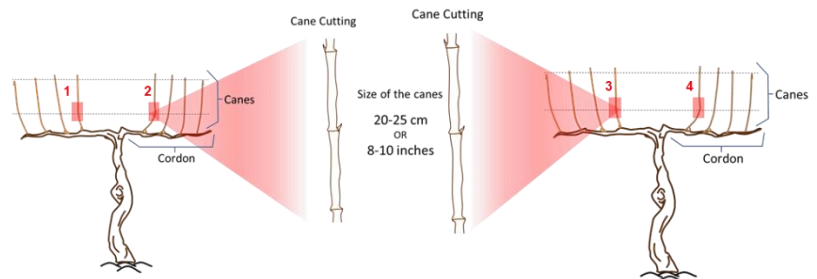
As shown in the cartoon, collect mature canes from bottom portion of the canopy. The cane cuttings should be 8-10 inches long.



## SAMPLING FROM A SINGLE VINE

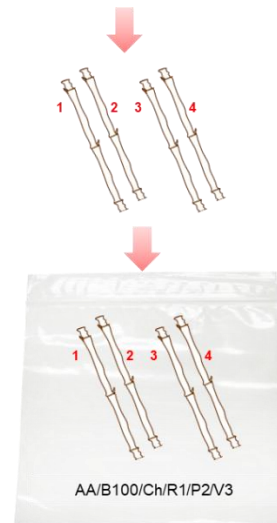


1. As shown in the cartoon, please collect TWO mature cane cuttings one from each side of the cordon/arm
2. Select any cane that is mature from each side of the cordon
3. Place both cane cuttings inside the pre-labelled sample collection bag
4. Seal the bag before sending the sample to the laboratory



## SAMPLING FROM A COMPOSITE OF TWO VINES

1. As shown in the cartoon from the first vine, please collect TWO mature cane cuttings one from each side of the cordon/arm
2. Collect the cane cuttings from the second vine accordingly
3. Place cane cuttings from both vines (total of FOUR cuttings) inside the pre-labelled sample collection bag
4. Seal the bag before sending the sample to the laboratory



### **WHEN SAMPLING PLEASE AVOID:**

- a) Collecting when raining (for virus testing moisture free canes are expected) and avoid adding additional moisture to samples
- b) Young cuttings or cuttings from the upper canopy
- c) Canes from dead vines
- d) Canes covered with soil/dirt
- e) Canes that are heavily damaged by insects feeding or by agriculture equipment, etc.
- f) Canes heavily covered with fungal growth
- g) Touching the ends of freshly cut canes

### **C. SAMPLE TRANSPORT**

Submitting samples on the same day of collection is highly recommended. If sending by mail, please store leaf samples in a Styrofoam box with ice pack and seal the samples before shipping overnight. Samples can be stored short-term (up to 48hrs) at 4<sup>0</sup>C. If storing, make sure samples bags marked with the date of sampling.

Sample submittal forms will be available online. Send the samples as well as the submission form using the shipping information below.

### **SHIPPING LABEL**

Cool Climate Oenology and Viticulture Institute  
Grapevine Virology Lab  
Brock University  
1812 Sir Isaac Brock Way  
St. Catharines, ON, Canada  
L2S 3A1

### **CONTACT US**

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