**STANDARD OPERATING PROCEDURE (SOPs) FOR SAMPLE COLLECTION FOR MARKER ASSISTED SELECTION**

**Instruments:**

AbGene deep 96 well plates

Forceps

Kimwipes

Single hole puncher

Ice bowl

**Procedures:**

* Ensure the plates are well labelled with a tape and marker pen.
* Write the clone name on the appropriate well location in the plate map.
* Punch three (3) leaf disc and place in appropriate well.
* Suspend the plate on ice while on the field to avoid degradation of leaf tissue.
* After concluding sample collection, keep the plate in -80°C freezer.
* Freeze dry the leaves tissue using a freeze dryer.
* Package samples for sending to a desired lab with the appropriate document.

PS: After punching each leaf sample, ensure the forcep and puncher is wiped clean with a kimwipe by punching the wipes severally to avoid contamination.

For plants with barcode, ensure a barcode scanner is used alongside a plate map for documentation.