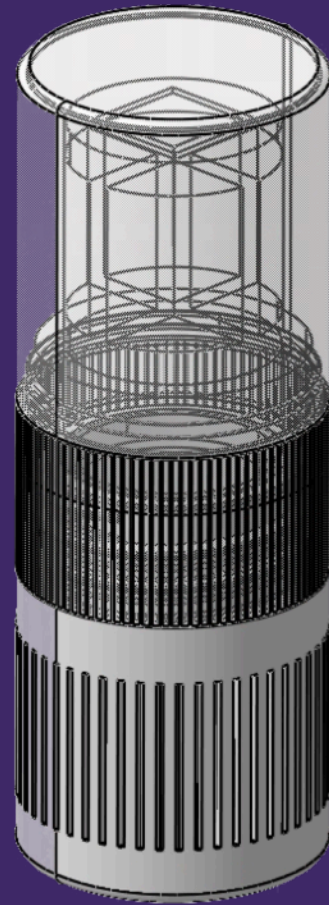


User Manual



ViTEST Mark II



Components:

Micro-needle patch

ER Buffer

ViTEST Mark II

(P1,P2,Cap)

Plastic dropper

Standard Protocol for ViTest Mk II:

Preparation:

1. Dismantle ViTest Mark II. Add 0.3ml of ER Buffer into Part 2 using the Plastic dropper. Screw it firmly with Part 1.
2. Open a pack of a Micro-needle patch, peel the protective cover from the flat side of the patch, stick it in the square groove on Part 1, and close it with the Cap. It is now ready for sample collection on the field.

Sample collection:

1. Open the Cap, peel the protective cover of the Micro-needle patch, stamp the leaf stem with the patch, and make sure it penetrates the leaf tissue.

2. Unscrew Part 1, turn it upside down, and dip the patch into the ER Buffer enclosed in Part 2. Dip it 5 or 6 times to release all the DNA into the ER Buffer. (Don't leave the patch in ER Buffer for too long as it is dissolvable.)

3. Screw Parts 1 and 2 firmly together again; the DNA solution is ready for further tests.

(Note: The kits are reusable. One can clean it by thoroughly using a DNA contamination cleaning spray and replacing the Micro-needle patch.)