DNAble®

use with Sample Extraction Set 7: ACC-101

Molecular Detection of GMO in Cottonseed

Assay QuickGuide

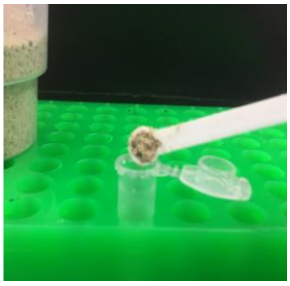
Sample Preparation and Setup

Assumes *2x20s seed grind in Waring blender*

Note: *Avoid lipid layer on top and use caution to avoid settled cottonseed*

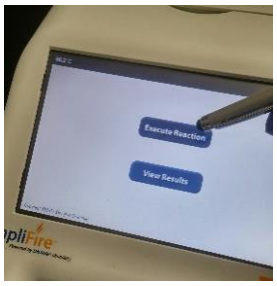
Note: *Samples should be transferred into blue dilution tubes immediately and run promptly*

Add 600 µL of MB4 buffer

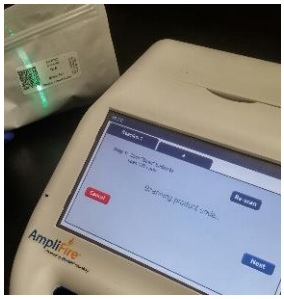


Add 2 scoops of cottonseed

Vortex and heat 10 min at 95°C



Set up instrument: Execute Reaction

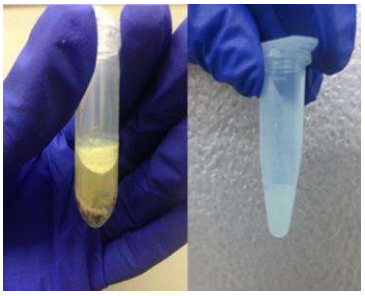


Scan barcode

Input sample IDs

Vortex, then centrifuge 3 min at 10K x *g*

Add 150 µL D4 Dilution Buffer to blue tube

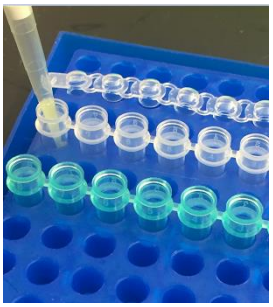


Add 50 µL supernatant to blue tube, then vortex

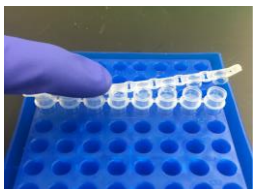
Important: *Use only the barcode associated with the kit*

Assay Procedure

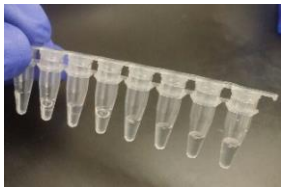
Add 25 µL sample (blue tube) to green 2x RB5 buffer strip



Add 50 µL of mixed sample from green strip to clear strip (Master Mix)



Cap tubes tightly



Flick tube down to remove any bubbles

Place strip in AmpliFire and start run

Important: *Change pipet tips and scoops between each sample*

Important: *Reaction tubes must be fully closed to prevent downstream contamination*

Important: ***Never*** *open reaction tubes post-assay*

Place used assay strip in sealable pouch and close

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For more information, visit **envirologix.com/custom-work**

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