

Molecular Detection of MON88701 (*dmo*) in Cottonseed Assay Quick Guide

Catalog No. DF-150
use with
Sample Extraction Set 7, ACC-101

DNAble

Sample Preparation and Setup

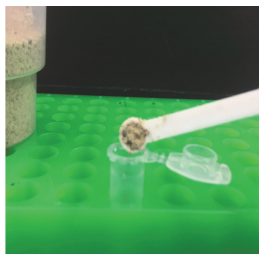
Assumes 2x20s seed grind in Waring blender

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



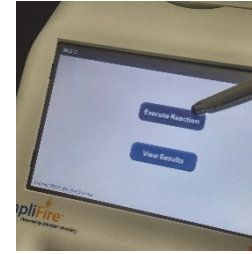
Add 600 μ L of MB4 buffer



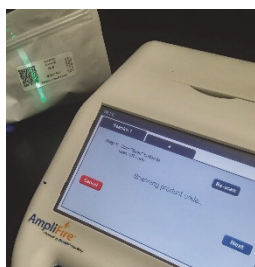
Add 2 scoops of cottonseed



Vortex and heat 10 min at 95°C



Set up instrument: Execute Reaction



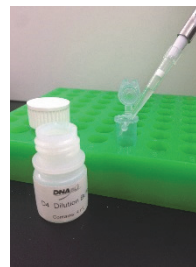
Scan barcode



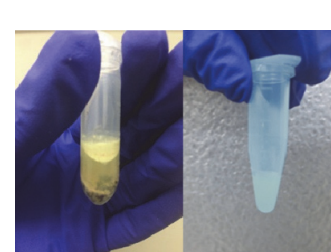
Input sample IDs



Vortex, then centrifuge 3 min at 10K x g



Add 150 μ L D4 Dilution Buffer to blue tube



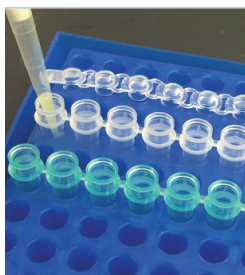
Add 50 μ L supernatant to blue tube & vortex.

Important: Use only the barcode associated with the kit

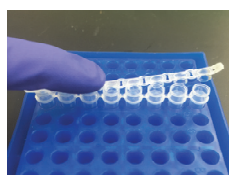
Assay Procedure



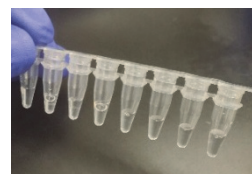
Add 25 μ L sample (blue tube) to green 2x RB5 buffer strip



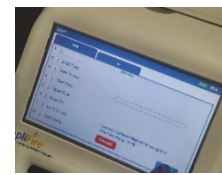
Add 50 μ L of mixed sample from green strip to clear strip (Master Mix)



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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