Times estimated for 24 insect samples
Minutes
0
20
40
60
80
100
120
= Open tube
= Hands-free
= Manual step
NOTE: For column and bead methods, some procedures recommend overnight digestion with Proteinase K. For this diagram we have used a 1 hour incubation.
prepGEM Universal
Sample Prep
Prepare/add mastermix
Load Thermal Cycler or PDQeX
75°
95°
Transfer to new tube
READY
Silica Column
Sample Prep
Prepare & add Proteinase K
Incubate with occassional vortex
56°
Add Buffer
Vortex
Add Ethanol
Vortex
Transfer to spin column
Centrifuge
New collection tube
Add buffer
Centrifuge
New collection tube
Add buffer
Centrifuge
New collection tube
Centrifuge
Incubate
Add buffer
READY
Magnetic Beads
Sample Prep
Add Lysis buffer
Homogenise
Add Isopropanol
Vortex
Mix in a Themomixer
Add Beads
Mix in a Themomixer
Leave in Magnetic stand
Discard supernatent
Add Wash solution 1
Pulse vortex
Leave in Magnetic stand
Discard supernatent
Add Wash solution 2
Pulse vortex
Leave in Magnetic stand
Discard supernatent
Air dry
Add Elution Buffer 1
Mix
Incubate in a Themomixer at 70°C
Add Elution Buffer 2
Pulse vortex
Leave in Magnetic stand
Transfer to new tube
READY