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Version 2

Successful and cost-effective DNA extraction method from insects with small amount of tissue V.2

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Protocol status: Working

We use this protocol and it's working



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Abstract

DNA extraction from insects is an initial and critical step that might affect the molecular taxonomy. There are several protocols for efficient DNA extraction published by researchers, which might be helpful for others working in the relevant field. There are also some commercial kits optimized to extract DNA even from low volumes or less amount of tissue. Research has conventionally showed that Phenol: chloroform: Isoamyl alcohol (PCI) method gives good yield and is cost effective as compared to other methodologies, especially commercial kits. Hereby is the CTAB and PCI protocol, which gives good yield from insect tissue preferably legs, head and wings (avoid using whole body).

Attachments



Low cost dna extract...

182KB

