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Genomic RNA extraction by TRIzol method by using *Drosophila melanogaster* gut

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Mohamed Sabeelil Islam¹

¹Kuvempu University

Drosophila lab



Mohamed Sabeelil Islam

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We use this protocol and it's working

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Abstract

Simple method followed for RNA extraction of Drosophila melanogaster larval(3rd instar) gut for CDNA

Guidelines

ware gloves while extraction

- 1 Dissection was used to isolate the larval gut of *Drosophila* 3rd Instar.
(around 10-15 gut was taken)
- 2
The dissected gut was taken in a 1.5ml ependorf tube which contained 200 μ L of TRIzol.

(For a total of 800 μ L or 0.8 mL of TRIzol needed for the extraction)
To avoid spurt, 200 μ L were taken.
- 3 Homogenize by using a micropistle
- 4 Add 600 μ L or 0.6mL of TRIzol followed up by adding 200 μ L or 0.2mL of Chloroform
(after adding vortex it) and keep it for 5 minutes incubation
- 5 Centrifuge at 12000x for 10minutes at 4°C
- 6 Take supernatant into new tube and add equal amount of isopropanol
- 7 Centrifuge at 12000x for 10minutes at 4°C
- 8 discard the supernatant and retain the pellet
- 8.1 wash the pellet by using 1ml of 75% cold ethanol (twice)
(after adding ethanol vortex the solution and centrifuge at 7500x for 5 minutes)
- 9 Retain the pellet, add RNase free water and check the purity