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

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

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wear gloves while extraction

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- 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 200µL of TRIzol.

(For a total of 800µL or 0.8 mL of TRIzol needed for the extraction)
To avoid spurt, 200µL were taken.

- 3 Homogenize by using a micropistole

- 4 Add 600µL or 0.6mL of TRIzol followed up by adding 200µL 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