

3.1 Larval locomotor activity

The locomotor activity of larvae can be measured in a $15 \times 15 \times 2$ cm rectangular Perspex box, with 3% agar covering the base to a depth of 0.5 cm (17). A transparent lid, onto which a grid of 1 cm^2 squares is etched, covers the box. Individual larvae are placed on the surface of the agar and the number of squares entered by the larva is recorded within a 30 second time window over a total of test period of 180 seconds.