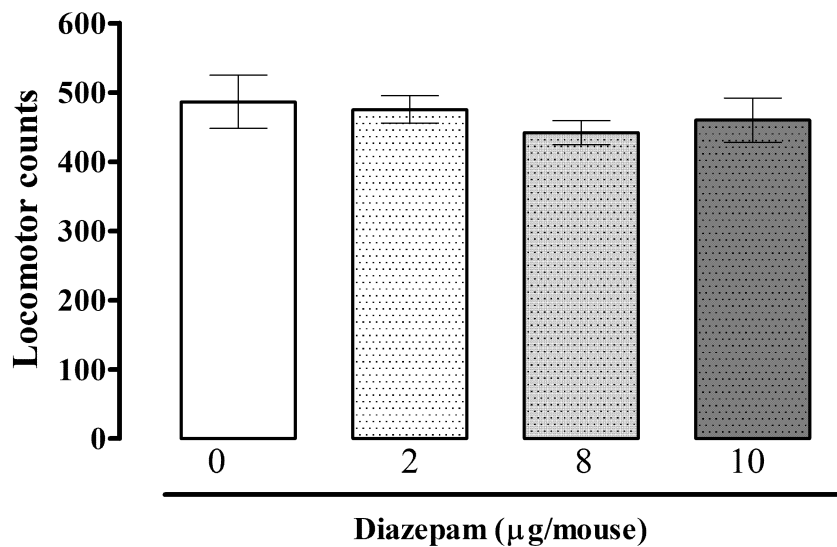


Locomotor activity

Assessment of locomotor activity

Each mouse was placed in the centre of the circular arena with the lid covered. Locomotor activity is expressed in terms of total number of counts of light beam interrupted in 15 min. After each test, the circular arena was cleaned with damp cotton soaked with alcohol (Umathe et al., 2012).



In the present study, locomotor activity of mice treated with various doses of diazepam (2, 4, 8 or 10 µg/mouse) were analysed using one-way ANOVA showed no significant [$F(3, 35)=0.469$; $P=0.7052$] effects, indicating that doses did not show any signs of sedation that could mask the anticonvulsive activity.