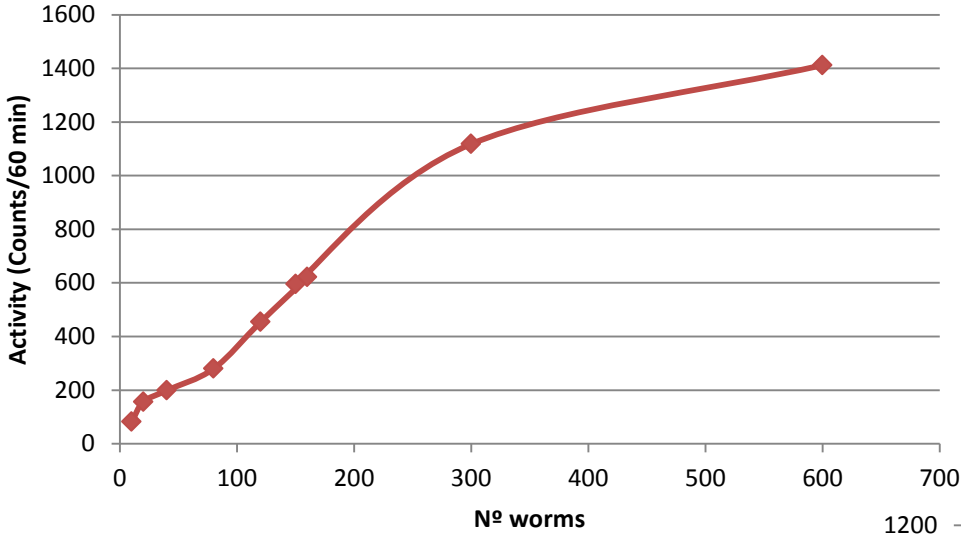


# 6-well curve - NGM

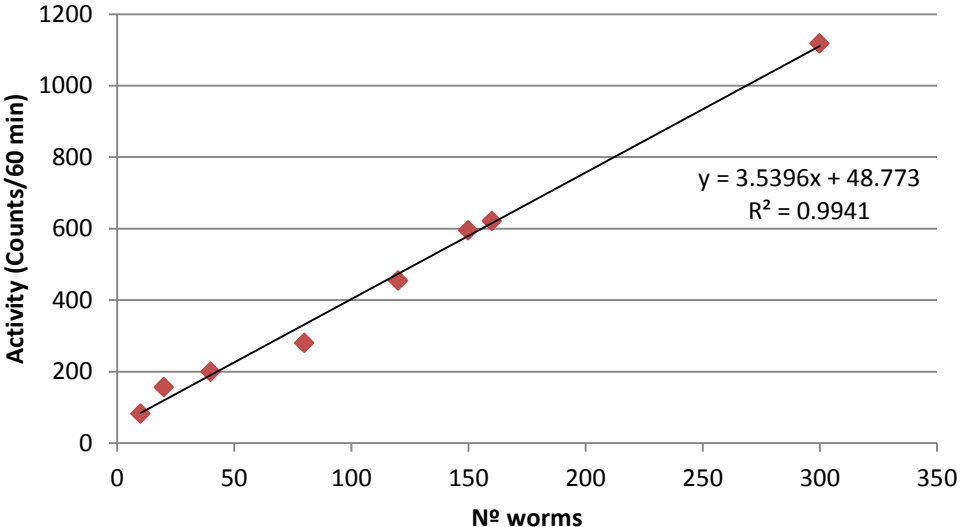
Solution with 10, 20, 40, 80, 120 and 160 / 150, 300 and 600 *C. elegans*, young adult N2 strain, were transferred to each well of a 6-well microplate with 3,5ML NGM per well. Locomotor activity of worms was recorded using WMicrotracker ARENA system for 60 minutes, at 23°C.

6-well curve - NGM



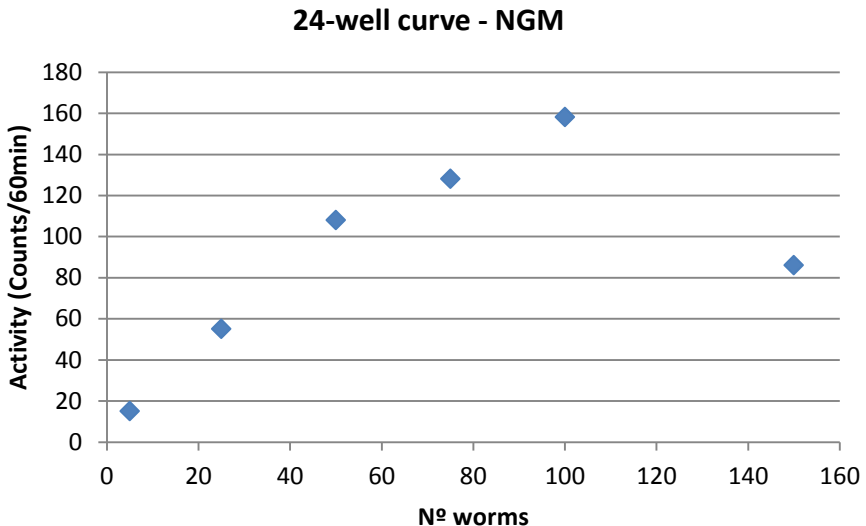
ARENA presents very good linearity of detection between 10 and 300 worms in mw6, R2=0.99

Linearity: 6-well curve – NGM



# 24-well curve - NGM

Solution with 5, 25,50,75,100 and 150 *C. elegans*, young adult N2 strain,, were transferred to each well of a 24-well microplate with 0.5 mL NGM per well. Locomotor activity of worms was recorded using WMicrotracker ARENA system for 60 minutes, at 23°C.



ARENA presents very good linearity of detection between 5 and 100 worms in mw24, R2=0.96

