

## DIR-207 - Commercial release of a genetically modified mosquito strain to help prevent dengue outbreaks (application under assessment)

### The proposed application

The aim of the application proposed by Oxitec Australia Pty Ltd is to reduce the population of *Aedes aegypti* mosquitoes responsible for the transmission of dengue.

### How have the mosquitoes been genetically modified?

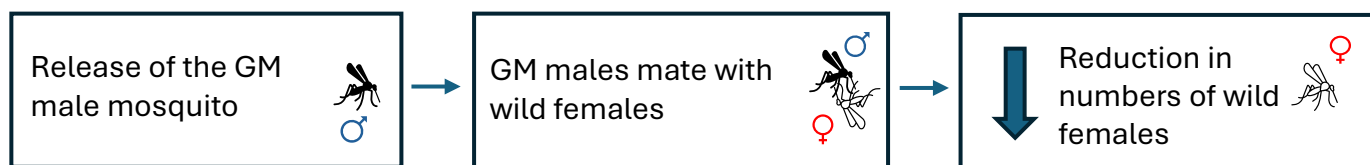
- Female mosquitos do not survive
- Mosquitoes glow red in the laboratory under special lights

### How is the GM mosquitoes proposed to be released?



- *Aedes aegypti* eggs will be imported into Australia.
- Boxes containing dried eggs will be placed in release areas and water added.
- Adult male mosquitoes will emerge from the boxes.

### How is the GM mosquitoes proposed to work?



### Can the mosquito transfer genes to people?

No. The GM mosquitoes cannot transfer genes to people.

### Does the technology used to produce the GM mosquitoes involve mRNA?

No. The GM mosquitoes are not generated using mRNA technology.

### Does the mosquito spread vaccines?

No. The GM mosquitoes are not designed to spread any vaccines.