

# Inside the AIRID Insectary

| Colony Name           | Species                               | Resistance Status |
|-----------------------|---------------------------------------|-------------------|
| An. gambiae<br>Kisumu | An. gambiae                           | Susceptible       |
| An. gambiae Vkper     | An. gambiae                           | Resistant         |
| An. gambiae Covè      | An. gambiae - An.<br>gambiae coluzzii | Resistant         |
| An. gambiae Akron     | An. gambiae<br>coluzzii               | Resistant         |
| Aedes ROCK            | Aedes aegypti                         | Susceptible       |
| Aedes Dandji          | Aedes aegypti                         | Resistant         |
| Culex Dandji          | Culex<br>quinquefasciatus             | Resistant         |
| Culex Covè            | Culex<br>quinquefasciatus             | Resistant         |
| Anopheles FUMOZ       | Anopheles<br>funestus                 | Resistant         |

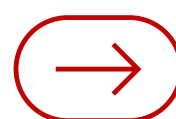
## Diverse mosquito colonies

The AIRID insectary maintains nine distinct colonies of Anopheles, Culex and Aedes mosquitoes—including insecticide-susceptible and resistant strains—for robust vector-control product evaluations.



## Scale up of Production

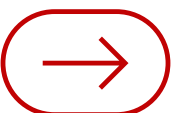
Mosquitoes are produced at scale to ensure a continuous and reliable supply for laboratory, semi-field and release recapture experimental-hut studies.





## **Controlled rearing environment**

Temperature, relative humidity and light–dark cycles are carefully monitored to support optimal mosquito development.





# Rigorous quality monitoring

Mosquito fitness, insecticide susceptibility and resistance status are routinely assessed to ensure colonies remain consistent, well characterised and study-ready.



# Quality and traceability

Standardised procedures and rigorous documentation safeguard strain identity, prevent cross-contamination and support traceable, GLP-compliant research





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