

2025

# SERVICE CATALOG



 [info@insectest.com](mailto:info@insectest.com)

 [www.insectest.com](http://www.insectest.com)



# INDEX

|           |                                                                |   |
|-----------|----------------------------------------------------------------|---|
| <b>01</b> | Who are we?.....                                               | 1 |
| <b>02</b> | Efficacy testing for repellents and<br>attractants (PT19)..... | 2 |
| <b>03</b> | Efficacy testing for biocides (PT18).....                      | 4 |
| <b>04</b> | Entomological identification.....                              | 6 |
| <b>05</b> | Available species.....                                         | 8 |

# 01. WHO ARE WE?

Quimera Biological Systems is a company with more than 25 years of experience in the management of Environmental Health. It is certified by the international Quality standards ISO 9001:2015 and Environmental Management ISO 14001:2015, whose reach in the certification includes and recognizes the quality of the services provided in carrying out efficacy tests for the evaluation of insecticidal and repellent products.

The vocation of its teams to continue growing has encouraged it to go beyond traditional pest control systems and to be currently committed to the development of its own entomological department to offer new services to its customers. This department was born under the name of Insectest as an independent brand that seeks to provide solutions to the market needs.

Insectest counts with personnel specialized in entomology with more than a decade of experience in carrying out biocide and repellent efficacy tests. This department keeps colonies in its own insectarium of different groups of arthropods for carrying out bioassays. In addition, it carries out technical advice and entomological surveillance associated with insect control plans with medical-veterinary relevance.

Together with the aforementioned services, Insectest actively participates in innovation and development projects for new pest control tools through the leadership of different lines of work, as well as collaboration with other companies and universities that request support in some stages of their projects.



# 02. EFFICACY TESTING FOR REPELLENTS AND ATTRACTANTS (PT19)

Insectest fulfills all requirements of national and international product authorization according to the ECHA **Biocidal Products Regulation** (BPR, Regulation (EU) 528/2012).



## Laboratory tests

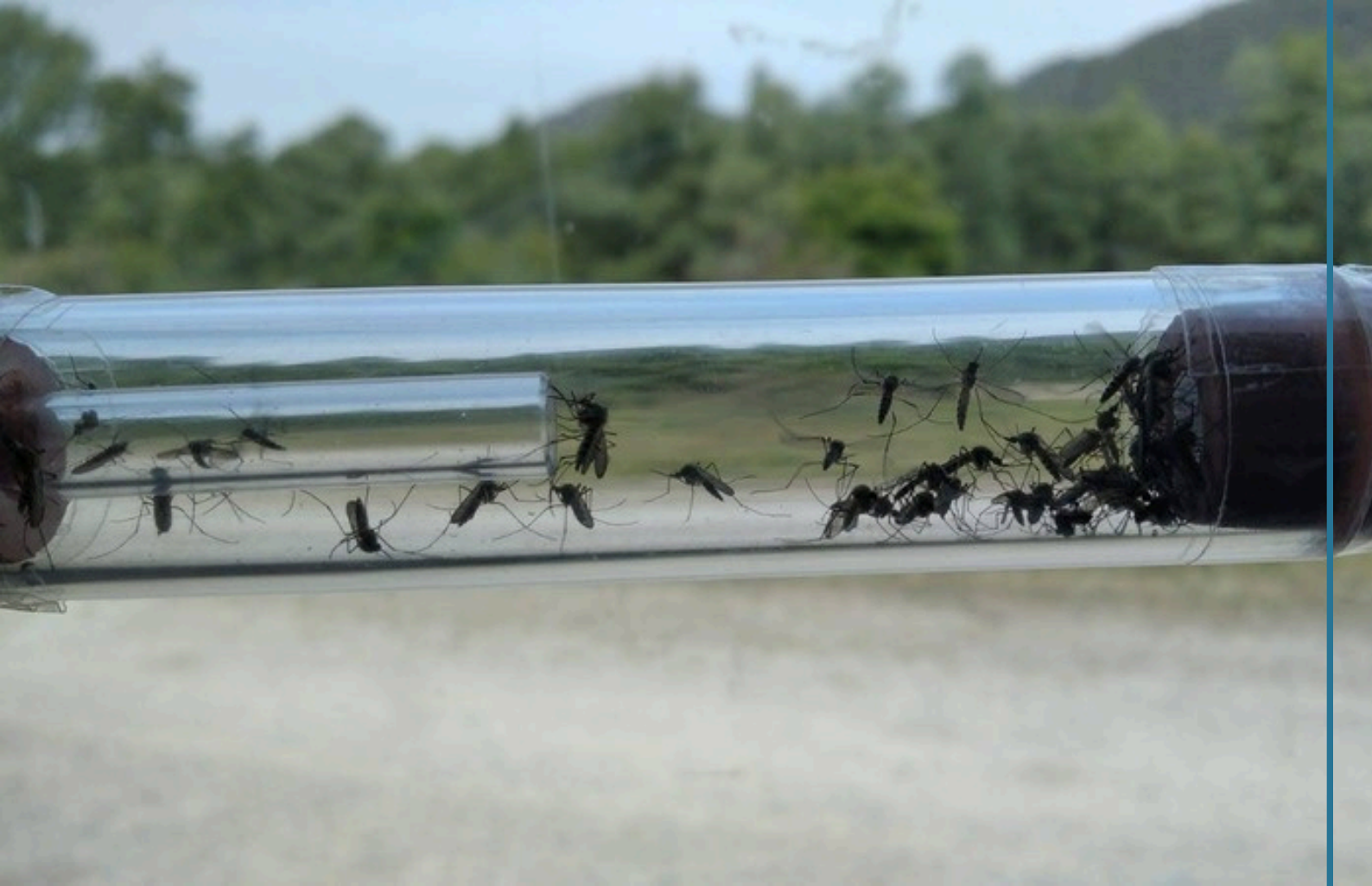
- Olfactometer test
- Blood feeding assays with Hemotek
- Arm-in-cage test
- Room test for topical and spatial repellents



## Simulated-use tests

Assays to evaluate the effectiveness and durability of repellents under realistic conditions by simulation of scenarios where the repellent is applied to volunteers, surfaces or environments.





### Field tests

Tests to assess the efficacy of repellent products, their durability, and their ability to protect against arthropod bites under real field conditions.



### Traps and attractants

Tests that aim to evaluate the efficacy of traps or devices that use attractants, such as pheromones or food baits, to lure arthropods.

# 03. EFFICACY TESTING FOR BIOCIDES (PT18)

Insectest fulfills all requirements of national and international product authorization according to the ECHA **Biocidal Products Regulation** (BPR, Regulation (EU) 528/2012).



## Laboratory tests

- Choice test
- No-choice test/Forced contact test
- Palatability test with bait products



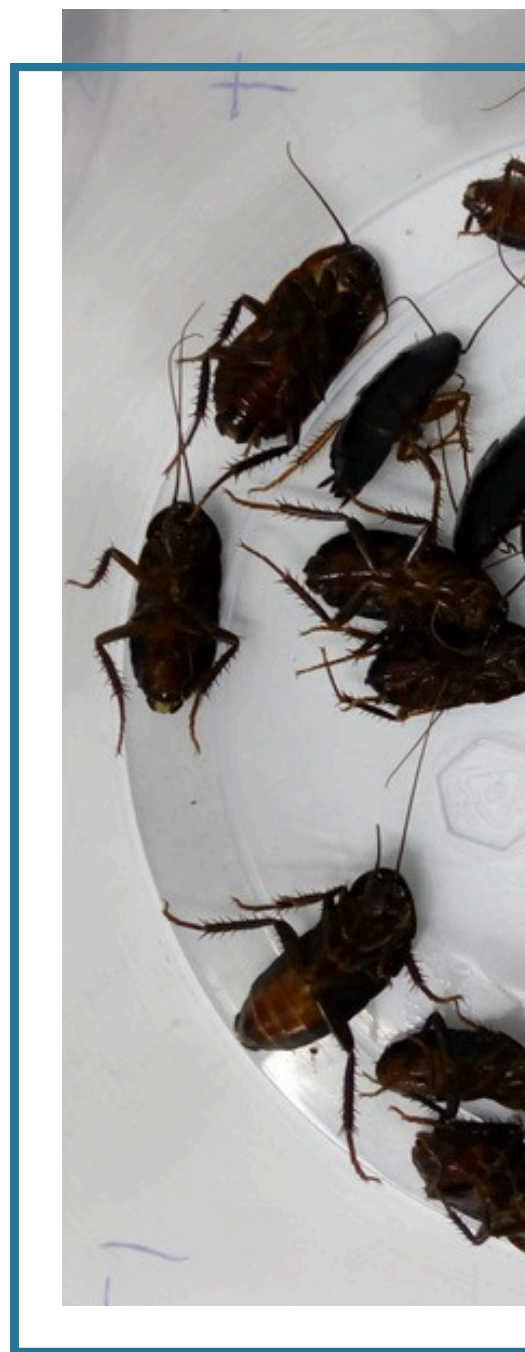
## Simulated-use tests

Assays to evaluate the performance and efficacy of biocidal products under conditions close to reality by simulation of the practical scenarios for which these biocides have been formulated.



## Field tests

Tests to assess the efficacy of biocide products, their residual effects, and potential adverse effects on the environment under real field conditions.







## 04. ENTOMOLOGICAL IDENTIFICATION

Our laboratory is specialized in offering our clients **pest monitoring and identification services**, essential for understanding insect biodiversity and population dynamics.

Data from these studies aids to assess ecological impacts, as well as to implement effective pest control strategies against different targets of clinical and environmental importance. These same data can be used to evaluate the effectiveness of implemented control plans.





## 05. AVAILABLE SPECIES

Insectest offers a wide variety of species against which it can carry out its efficacy tests. While some of the species are bred in its own insectarium, others are obtained from partner laboratories or are collected in the field.

- **Mosquitos**

| Species                       | Availability             |
|-------------------------------|--------------------------|
| <i>Culex pipiens</i>          | Breed in our insectarium |
| <i>Culex quinquefasciatus</i> | Breed in our insectarium |
| <i>Aedes albopictus</i>       | Breed in our insectarium |
| <i>Aedes aegypti</i>          | Breed in our insectarium |
| <i>Anopheles atroparvus</i>   | Breed in our insectarium |
| <i>Anopheles stephensi</i>    | Breed in our insectarium |



Tiger mosquito, *Aedes albopictus*

- **Blackflies**

| Species               | Availability       |
|-----------------------|--------------------|
| <i>Simuliidae</i> spp | Collected in field |



Blackfly, *Simulium* spp

- **Sandflies**

| Species                        | Availability       |
|--------------------------------|--------------------|
| <i>Phlebotomus perniciosus</i> | Collected in field |



Sandfly, *Phlebotomus* spp

- **Wasps**

| Species                 | Availability       |
|-------------------------|--------------------|
| <i>Vespula vulgaris</i> | Collected in field |



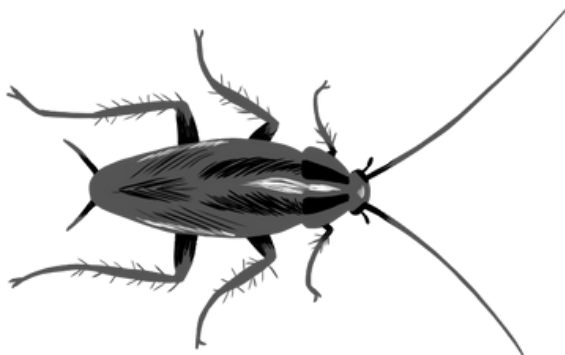
Common wasp, *Vespula vulgaris*



- **Flies**

Stable fly, *Stomoxys calcitrans*

| Species                        | Availability                                  |
|--------------------------------|-----------------------------------------------|
| <i>Musca domestica</i>         | Collected in field                            |
| <i>Drosophila melanogaster</i> | Bought or available in partner's laboratories |
| <i>Hermetia illucens</i>       | Bought or available in partner's laboratories |
| <i>Stomoxys calcitrans</i>     | Collected in field                            |



German cockroach, *Blattella germanica*

- **Cockroaches**

| Species                      | Availability             |
|------------------------------|--------------------------|
| <i>Blatta orientalis</i>     | Breed in our insectarium |
| <i>Blattella germanica</i>   | Breed in our insectarium |
| <i>Periplaneta americana</i> | Collected in field       |



INSECTEST

- **Ticks**

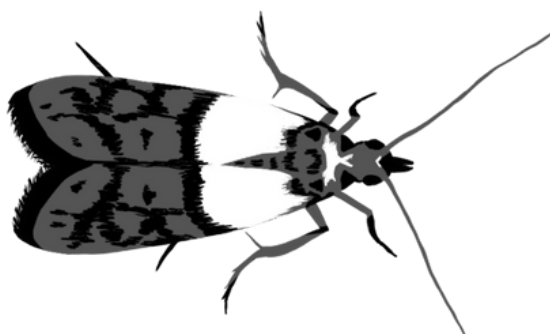
| Species                         | Availability                                  |
|---------------------------------|-----------------------------------------------|
| <i>Ixodes ricinus</i>           | Bought or available in partner's laboratories |
| <i>Rhipicephalus sanguineus</i> | Bought or available in partner's laboratories |
| <i>Dermacentor reticulatus</i>  | Bought or available in partner's laboratories |
| <i>Hyalomma marginatum</i>      | Bought or available in partner's laboratories |



Castor bean tick, *Ixodes ricinus*

- **Moths**

| Species                      | Availability                                  |
|------------------------------|-----------------------------------------------|
| <i>Plodia interpunctella</i> | Breed in out insectarium                      |
| <i>Tineola bisselliella</i>  | Bought or available in partner's laboratories |

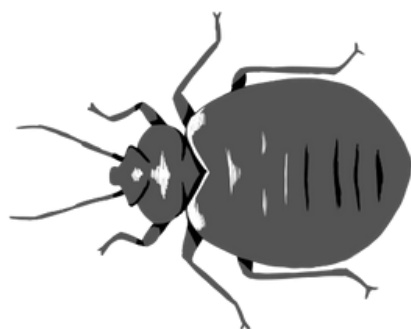


Indian meal moth, *Plodia interpunctella*



- **Bedbugs**

| Species                  | Availability                                  |
|--------------------------|-----------------------------------------------|
| <i>Cimex lectularius</i> | Bought or available in partner's laboratories |



Common bedbug, *Cimex lectularius*

- **Ants**

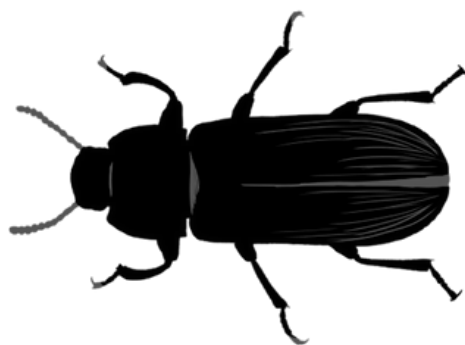
| Species             | Availability                                  |
|---------------------|-----------------------------------------------|
| <i>Lasius niger</i> | Bought or available in partner's laboratories |



Black garden ant, *Lasius niger*

- **Coleoptera**

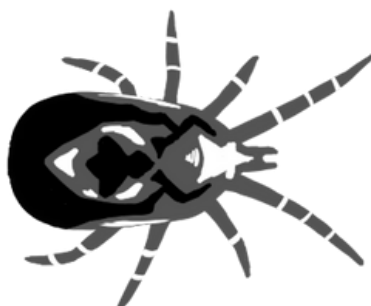
| Species                   | Availability                                  |
|---------------------------|-----------------------------------------------|
| <i>Tenebrio molitor</i>   | Bought or available in partner's laboratories |
| <i>Attagenus unicolor</i> | Bought or available in partner's laboratories |



Mealworm beetle, *Tenebrio molitor*

- **Mites**

| Species                               | Availability                                  |
|---------------------------------------|-----------------------------------------------|
| <i>Dermanyssus gallinae</i>           | Collected in field                            |
| <i>Dermatophagoides pteronyssinus</i> | Bought or available in partner's laboratories |



Red mite, *Dermanyssus gallinae*

Insectest is a service offered by **Quimera Biological Systems S.L.**

Pol. Malpica-Alfindén C/ Olivo, 14 Nave 6  
50171 La Puebla de Alfindén (Zaragoza), Spain