

MosKEYTOOL



Identify mosquitoes of the Euro-Mediterranean area

MosKeyTool is an interactive identification key for mosquito species (4th stage larvae and female specimens) of the whole Euro-Mediterranean area. This comprehensive basis covers 128 mosquito species.

This user-friendly tool is freely downloadable and can be easily installed on your computer.



WHAT IS MosKEYTOOL ?

HOW TO INSTALL IT ?

HOW TO USE IT ?

WHAT IS MosKEYTOOL?

> An interactive identification key for mosquitoes of the Euro-Mediterranean area

MosKeyTool is intended to help non-entomologists and expert users for identifying the species of a mosquito specimen.

Taxonomic data

- For adult female and 4th stage larva
- A single basis for genus and species identification
- 128 species of Culicidae belonging to 7 genera: *Aedes*, *Anopheles*, *Coquilletidia*, *Culex*, *Culiseta*, *Orthopodomyia*, *Uranotaenia*
- 143 morphological criteria.
No molecular or genetic criteria are taken into account. Therefore the identification process stops at complex level.
- Pictures, illustrations and descriptions
- Supporting material for (self)learning and teaching the morphology and taxonomy of mosquitoes (Diptera: Culicidae).
- MosKeyTool is based on the CD-ROM: *The Mosquitoes of Europe*, IRD Editions, 2001, and *The Mosquitoes of Mediterranean Africa*, IRD Editions, 2000.

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Acknowledgements

The authors would like to acknowledge all the members of the MediLabSecure network (www.medilabsecure.com) who take part to this work by providing an update checklist of mosquitoes in their respective country.

A special thanks to Marie Picard (IRD), Gilbert Le Goff (IRD), Francis Schaffner (Francis Schaffner Consultancy), Tatiana Sulesco (Institute of Zoology, Moldova) and Yvonne-Marie Linton (WRBU, USA) for their feedback and expertise.

Geographical area

- Western palearctic biogeographic region, including Europe, Atlantic and Mediterranean Islands, Northern Africa, South Caucasus and part of the Middle-East.



- 66 geographical units.

Most of the time, the countries are used as geographical unit. However the main islands or isolated archipelago are also used as geographic unit.

Software

- Developed with the Xper2 version 2.3.2, a free software dedicated to computer-aided-identification
- MosKeyTool version V1.1 is available in English since May, 2017.
- To be used offline



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Suggestion for citation

Gunay F, Picard M, Robert V, 2017. MosKeyTool, an interactive identification key for mosquitoes of Euro-Mediterranean. Version 1.1. in English available at www.medilabsecure.com/moskeytool. Last update: 09/05/2017

HOW TO INSTALL MOSKEYTOOL?

1. Download and install the Xper2 software

Version 2.3.2 / Xper² identification version

Windows XP/Vista/7	Xper2-Identification-2.3.2.exe	5577 Ko	
Linux / MacOS X (>10.10) *	Xper2-Identification-2.3.2.jar	5272 Ko	
MacOS X (<10.11) *	Xper2-Identification-2.3.2.zip	5030 Ko	

* How to open an app from an unidentified developer with Mac? You can run apps that you've downloaded directly from the internet that aren't registered with Apple. You just have to give the OK, by right-clicking on the app file. [More information](#).

2. Download the MosKeyTool database

Free Download 

Extract the zip archive inside a directory, you must have 1 folder and 4 files:

- folder « images» file «moskeytool_V1.1.xpd»
- file «moskeytool_V1.1.xpx»
- file «moskeytool_V1.1.xpw»
- file «moskeytool_V1.1.xpr»

3. Open the Xper2 software

Go to **File** -> *Open a Database* and select the file «moskeytool_V1.1.xpd»



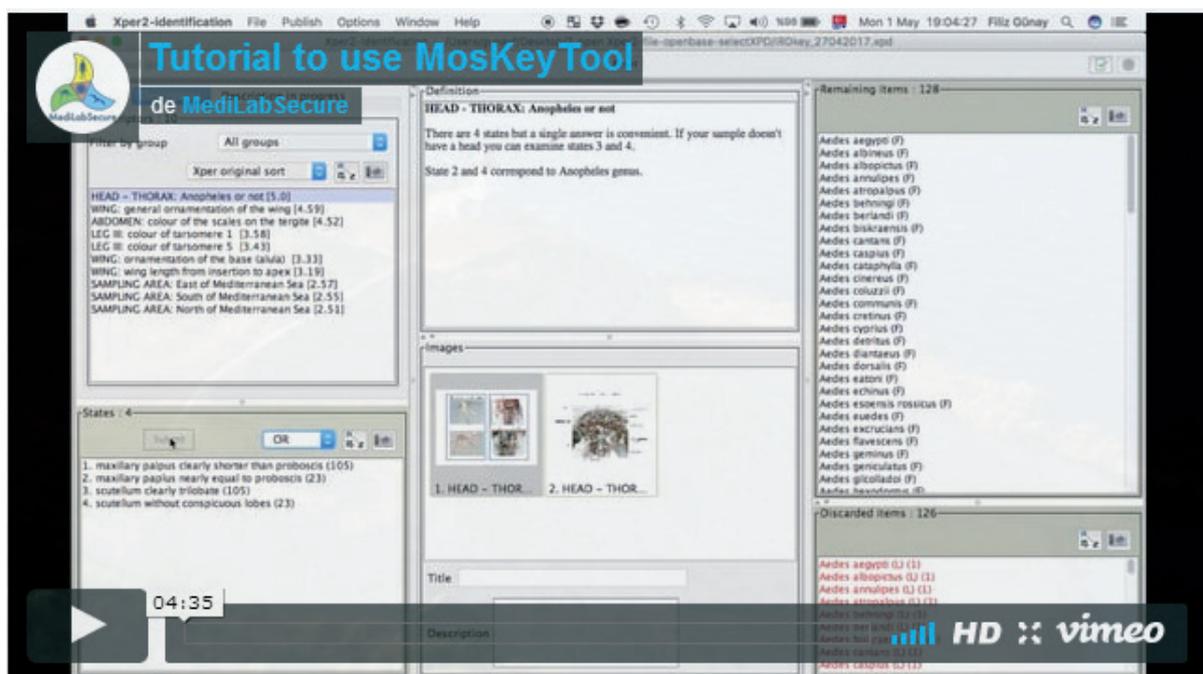
HOW TO USE MosKEYTOOL?

> Video tutorial

MosKeyTool is an easy-to-learn and efficient tool which allows users to see the morphological characters, descriptions, images and all taxa in one screen.

A 5-minute online tutorial gives you a visual explanation of all important functions:

- How to install and open MosKeyTool
- General view of the tool (question/answer, description and illustration, possible/eliminated species)
- Which descriptor model to choose (Xper original sort)
- How to reach species
- How to compare species
- How to select several countries



MosKeyTool is an identification tool which has been developed by MediLabSecure.

The MediLabSecure project is supported by the European Commission (DG DevCo: IcSP/21010/23/_194).



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Development

