



FBI.lab-animal.net

FBI Science GmbH

Up-to-date anywhere - anytime

An intuitive web based animal database for professional applications

Convincing features

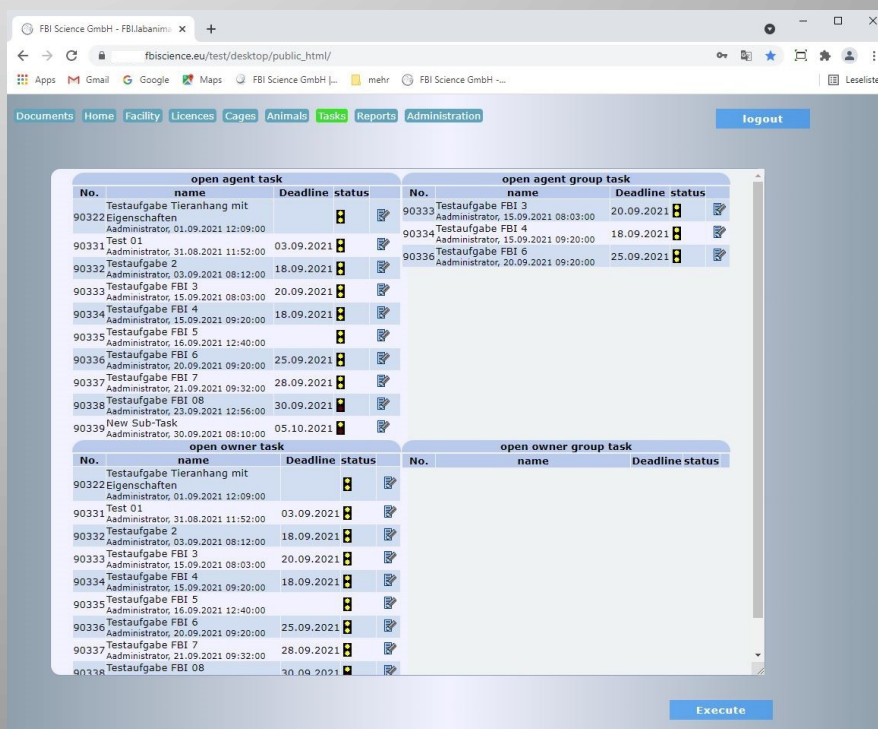
- **Simultaneous real-time operation** 24 hours a day, 7 days a week, 365 days a year
- **Accessible** from any internet connected computer, mobile system or workstation
- **Compatible** with all modern operating systems and web browsers
- **Scalability:** All connected departments are as fast accessible as a single unit
- **Encrypted data** transmission
- **Wireless** options for mobile data access and acquisition
- **Secure** coding of data, individual and group access privileges
- **User-friendly** configurable interface
- **Integrated context-sensitive help functions** and documentations
- **Easy operation on mobile devices** (Tablet, PDA, mobile phones, laptops, etc.)
- **Communication and work platform** in one
- **Multiple-language interface:** all desired languages available
- **Team orientated** dynamic administration of task lists and work orders
- Stay **focussed** on functions that you frequently use (full configurable)
- **Speed up** the administrative processes by use of barcodes, RFID, transponder, etc.
- **Intelligent database** system prevents misconfiguration or data loss
- **Animal welfare** regulation compliance, deadlines and health issues are checked automatically
- **Statements, lists and reports** are immediately available
- Ideal for meeting **GLP-conformity** in documentation and SOPs
- Modules are expandable to **management** of:
 - Breeding and pedigree
 - Genetics
 - Cryoconservation
 - Health surveillance and control
 - Sampling probes
 - Licenses
 - Experiments
 - Stock and orders
 - Invoicing
 - Personnel
 - Standing charges, fixed costs and expenses
 - Interface to other data bases, research data and web-information
 - Customised modules available

offers flexible data base management for the administration of experimental animals housed in a laboratory or clinical setting.

Access Anywhere, Anytime

The whole data base ist stored and secured on a central server. All authorised users are able to access the data base via the Internet, or intranet. All you need to work with the data base is an internet browser such as Mozilla, Chrome or Edge. Access from your workstation, tablet-pc, notebook computer, pocket computer or even your mobile phone. You can work anywhere at any time, on any operating system, as long as you are connected to the Internet: 24 hours a day, 7 days a week.

A user specific interface



The screenshot shows a web browser window with the URL `fbiscience.eu/test/desktop/public.html/`. The interface has a navigation bar with tabs: Documents, Home, Facility, Licences, Cages, Animals, Tasks, Reports, and Administration. A 'logout' button is in the top right. The main content area displays four tables of tasks, each with columns for 'No.', 'name', 'Deadline', and 'status'. The tables are titled 'open agent task', 'open agent group task', 'open owner task', and 'open owner group task'. The 'open agent task' table lists tasks like 'Testaufgabe Tieranhang mit Eigenschaften' and 'Test 01'. The 'open agent group task' table lists tasks like 'Testaufgabe FBI 3' and 'Testaufgabe FBI 4'. The 'open owner task' table lists tasks like 'Testaufgabe Tieranhang mit Eigenschaften' and 'Test 01'. The 'open owner group task' table lists tasks like 'Testaufgabe FBI 3' and 'Testaufgabe FBI 4'. An 'Execute' button is at the bottom right.

open agent task			
No.	name	Deadline	status
90322	Testaufgabe Tieranhang mit Eigenschaften	01.09.2021 12:09:00	8
90331	Test 01	31.08.2021 11:52:00	8
90332	Testaufgabe 2	03.09.2021 08:12:00	8
90333	Testaufgabe FBI 3	18.09.2021 08:03:00	8
90334	Testaufgabe FBI 4	20.09.2021 09:20:00	8
90335	Testaufgabe FBI 5	18.09.2021 12:40:00	8
90336	Testaufgabe FBI 6	25.09.2021 09:20:00	8
90337	Testaufgabe FBI 7	28.09.2021 09:32:00	8
90338	Testaufgabe FBI 8	30.09.2021 12:56:00	8
90339	New Sub-Task	05.10.2021 08:10:00	8

open agent group task			
No.	name	Deadline	status
90333	Testaufgabe FBI 3	15.09.2021 08:03:00	8
90334	Testaufgabe FBI 4	15.09.2021 09:20:00	8
90336	Testaufgabe FBI 6	20.09.2021 09:20:00	8

open owner task			
No.	name	Deadline	status
90322	Testaufgabe Tieranhang mit Eigenschaften	01.09.2021 12:09:00	8
90331	Test 01	31.08.2021 11:52:00	8
90332	Testaufgabe 2	03.09.2021 08:12:00	8
90333	Testaufgabe FBI 3	18.09.2021 08:03:00	8
90334	Testaufgabe FBI 4	20.09.2021 09:20:00	8
90335	Testaufgabe FBI 5	18.09.2021 12:40:00	8
90336	Testaufgabe FBI 6	25.09.2021 09:20:00	8
90337	Testaufgabe FBI 7	28.09.2021 09:32:00	8
90338	Testaufgabe FBI 8	30.09.2021 12:56:00	8

open owner group task			
No.	name	Deadline	status

Example view task list

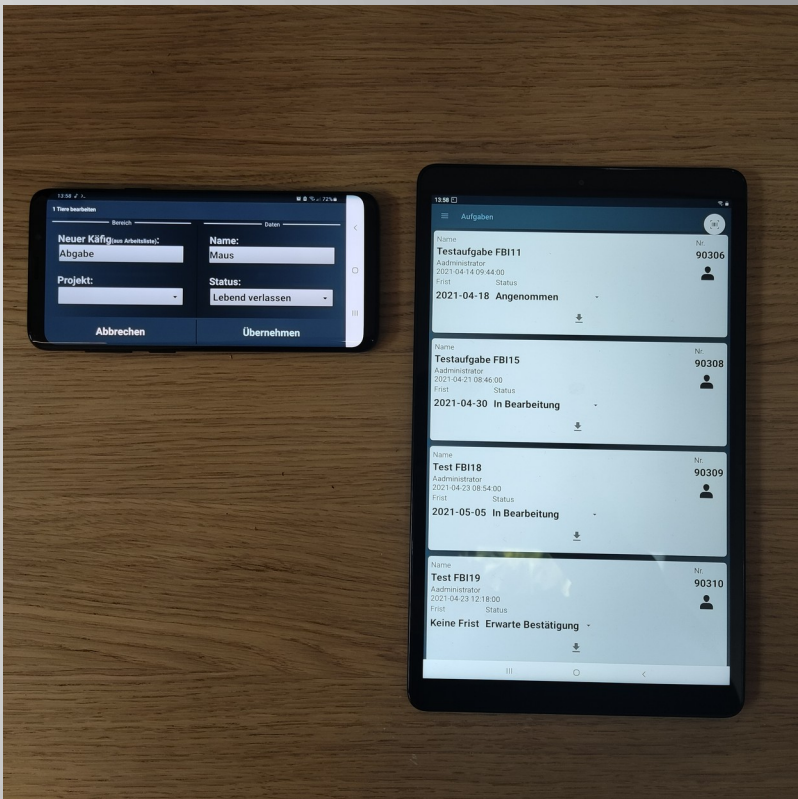
Work ease is enhanced with a customised graphical interface. You will only see the options and functions which you really need: Adaptable, pre-configured menus expose only the information and functions you need. Power-users can access all the tables, functions and processes they wish, while novice users can easily navigate through just the features they need, hiding all the features that do not pertain to their job. Scientists see experiments, caretakers see feeding schedules, etc. Printouts of reports and forms can have the same look, but now always have the latest information included. Collection of information is easier due to automatic procedures utilising bar code scanners or RFID/transponder receivers. This streamlines work processes by avoiding confusion and increasing ease of use.

Tasks and jobs for every specialist

Your job related functions at your fingertips

- Animal caretakers see husbandry related tasks and items
- Scientists have access to all their experiments
- Administrators get easy access to logistics and invoice related items.

Handheld devices operate **online** – with wireless connections, or **offline** for later synchronisation – grants maximum flexibility allowing you to work in front of cages, experiment sites, or inventory stockrooms. Data is available wherever you need it, whenever you need it.



Example of mobile phone or tablet-pc applications

Secure and intelligent database

The database can be accessed by the local personnell as well as by the administrative staff and scientists via the intranet and internet. Authentication is SSL-encrypted via the access identifiers. A high data throughput with the possibility of simultaneous bookings is ensured by a modern procedures. This avoids delays or disruptions.

Audits by officials or veterinarians are automatically prepared by monitoring conformity with the animal protection acts and provide a balance and check sheets. Steps for compliance are broadcasted to users via pop-up messages after login, Email, SMS or pager.

Workgroup	Animal testing permission	species	alive	Dead 2021	dead until now	leftalive	left project	max. animals permitted
Ag	_00	mouse	243	308	1307	47	1597	0
Ag	_00	rat	1	0	0	0	1	0
Ag	_2-487	mouse	5	0	13	0	18	157
Ag	_00	mouse	1113	583	28777	1774	31664	
Ag	_2-1009	mouse	381	105	1078	153	1612	33.000
Ag	_2-1010	mouse	1	0	0	0	1	171
Ag	_2-1038	mouse	10	0	2	0	12	520
Ag	_2-1097	mouse	28	12	103	0	131	644
Ag	_2-1150	mouse	47	63	104	7	158	29640
Ag	_2-334	mouse	0	0	249	5	254	594
Ag	_2-334	rat	1	0	0	0	1	
Ag	_2-410	mouse	0	0	742	32	774	1380
Ag	_2-474	mouse	0	0	281	11	292	2766
Ag	_2-48	mouse	0	0	436	12	448	720
Ag	_2-537	mouse	0	18	138	66	204	1734
Ag	_2-559	mouse	23	43	136	20	179	1095
Ag	_2-559	rat	0	1	1	0	1	
Ag	_2-692	mouse	20	21	514	5	539	1395
Ag	_2-705	mouse	15	100	532	54	601	1215
Ag	_00	mouse	281	19	689	4674	5644	
Ag	_2-523	mouse	149	7	100	1265	1514	4050
Ag	_00	mouse	573	426	17154	4664	22391	
Ag	_2-1141-Z	mouse	20	4	48	30	98	0
Aq	_2-1264	mouse	2	0	0	0	2	325

Example report: animals per project

A platform with an open interface

Veterinary clinics have access to pharmaceutical and medical data bases; laboratories are connected with existing SAP-interfaces and information about their ongoing experiments. It is possible to connect to personnel data bases or any other necessary data source.

Exact apdaption to your needs

Everything will be familiar, just easier and faster. We understand the importance of having the same look and feel as previous to introduction of an digital system: Cage cards, animal lists, diagrams and administrative procedures will appear the same as your existing system. The time needed to to get acquainted to the new system is minimal. We can adapt the user interface, database structures and printed reports to meet your needs. The software can be translated into any language.

Teamwork supported

Every team member is provided with the information and tools for his/her procedures: Animal caretakers organise feeding, cleaning, breeding; the secretary deals with logistics, scientists administer their experiments and the veterinarian cares for the health of the animals.

The screenshot shows a web browser window with the URL https://fbiscience.eu/test/desktop/public_html/. The page has a navigation bar with tabs: Documents, Home, Facility, Licences, Cages, Animals, Tasks (selected), Reports, and Administration. A 'logout' button is in the top right. Below the navigation bar, there's a 'Tasks' section with sub-tabs: Tasks, Privileges Owner, and Privileges Agent. The 'Tasks' sub-tab is active, showing a form for creating a new task. The form includes fields for 'name', 'No.', 'Instructions', 'Comment', 'Selection' (with a dropdown menu), 'Documents' (with a link to 'fbi.org'), 'Delete Document' (checkbox), 'Task Status' (dropdown menu), 'Deadline' (date field), and 'Priority' (dropdown menu). A green box highlights the 'Task was saved!' message. At the bottom, there are buttons for 'Tasks', 'Templates', 'New Task', 'New Template', 'Owner Tasks', 'Editor Tasks', 'Agent Tasks', and 'Search'. An 'Execute' button is at the bottom right.

Example view of a created task with the web interface

The screenshot shows the Android tablet app interface. It displays a list of tasks under the heading 'Aufgaben'. Each task entry includes the task name, administrator, creation time, status, and a date. The tasks listed are: 'Testaufgabe FBI11' (Status: In Bearbeitung, Date: 2021-04-18), 'Testaufgabe FBI15' (Status: Erwarte Bestätigung, Date: 2021-04-30), 'Test FBI18' (Status: Erwarte Bestätigung, Date: 2021-05-05), and 'Test FBI19' (Status: Keine Frist, Erwarte Bestätigung, Date: 2021-04-23). Each entry has a download icon. The app has a dark theme and a bottom navigation bar.

Example tasks shown on Android tablet-App

Developed by scientists for scientists

Our data base system is successfully in operation for years in laboratory settings (e.g. at the University of Bochum since 2004) or clinical environments. Our support team frequently updates the software and helps you with your requests and questions, to achieve a maximum standard of quality.

Prepared for the future

FBI.lab-animal.net connects with the research database ,FBI.animalytics.net‘ for autonomic conduction of animal experiments including integration of livestock information. This way, research reports are generated automatically.

The screenshot displays a web browser window with the URL `fbiscience.eu/test/desktop/public_html/`. The application interface includes a top navigation bar with tabs: Documents, Home, Facility, Licences, Cages, Animals (highlighted), Tasks, Reports, and Administration. A 'logout' button is located in the top right corner. Below the navigation bar, there are tabs for 'Data', 'Area', 'Genetics', 'Access Privileges', and 'Sort Order'. The 'Data' tab is active, showing a search form with various fields and checkboxes. The form is organized into two columns. The left column contains fields for 'name', 'species' (dropdown), 'sex' (radio buttons for all, ♂, ♀, none), 'from Birthday', 'from Day of Arrival', 'from Day of Leave', 'from Day of Death', 'Comments' (text area), 'Speciality' (dropdown), and 'LicenseHistory' (dropdown). The right column contains fields for 'animal id', 'Breeding animal' (dropdown), 'sterile' (checkbox), 'to Birthday', 'to Day of Arrival', 'to Day of Leave', 'to Day of Death', 'Transponder ID', 'status' (dropdown), 'alive' (checkbox), and 'Deleted' (checkbox). At the bottom of the form, there are buttons for 'New Search', 'Create New', 'Create Multiple New', 'Litters', and 'Breeding'. An 'Execute' button is located at the bottom right of the application area.

Field	Value
name	
species	all
sex	all
from Birthday	
from Day of Arrival	
from Day of Leave	
from Day of Death	
Comments	
Speciality	Show All Animals
LicenseHistory	Show All Animals
animal id	
Breeding animal	all
sterile	
to Birthday	
to Day of Arrival	
to Day of Leave	
to Day of Death	
Transponder ID	
status	alive
alive	Yes
Deleted	No

Example view of animal search function

Security and accessibility

No matter where the data base is located; in your lab, a regional computer center, or at our company: Our first priority is security in terms of authorized access and data backups.

You will save money by reducing personnel costs and distributing work procedures. No need for time consuming preparation of balances or lists for inspections. Every access and procedure is logged and secured against fraud, to ensure proper accountability.

The finance management system automatically calculates invoices, orders and balances. The system automatically generates notes about important tasks to do each day. Diverse ways of configuring your interfaces will present data transparently and flexibly to meet your specific needs.

Complete care

You can order the complete care package, consisting of:

- The installation and set-up of hardware (fixed and mobile work stations, terminals, wireless network systems, barcode readers, transponders, etc.)
- Consulting and planning of your local project
- Digitising your existing data, whether it is on paper or in other data systems
- Competent and prompt support and customer service

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