

# vACT:LabNoteBook™

Enabling Research in the Right Direction

**Enabling Research in the Right Direction**

## Function of Lab Note Book

Scientists in laboratories worldwide conduct experiments to invent or discover or develop new products. In order to prove the bonafide rights of ownership and their intellectual property, they have to maintain records of their lab work and experiments - the design of the experiment, chemicals, materials and equipment used, procedures and processes followed, results, and chronological history, all in prescribed formats. All the entries made by the scientists are periodically checked by a Lab Manager. Apart from authentication, the Lab Manager also obtains signatures of two other witnesses. Often multiple experiments are carried out before a product is fully developed.

Maintenance of these records has not only become statutory but also indispensable for protecting the investments made by enterprises. Conventionally, all these recordings are entered in a "Lab Note Book".

But today, the industry landscape has changed dramatically. With spiraling costs and longer times for discovery/development, companies are keen that their investments in research are well protected and that the research function is well managed. So, the crucial questions are:

- Has the experiment been done elsewhere in the company, earlier?
- How much time did that experiment take?
- And how much did it cost?
- Can the results of the experiment be traced to its sample?

The conventional lab note book cannot give satisfactory answers to these questions.

## Drawbacks of Conventional Lab Note Book

Conventional Lab Note Book recording methods have shortcomings in several areas like:

**Standardization.** With large number of recordings, standardization of written procedures becomes extremely difficult.

**Tracking Experiments.** With several experiments taking place in the lab simultaneously, tracking experiments becomes a severe practical problem.

**Maintenance of Physical Records.** With manual recording, there are bound to be huge layers of physical records, and maintenance of those over long periods of time, is not an easy task.

**Ascertaining Project Cost.** Costing of an experiment is a long drawn process, since tracking the experiment and identifying the different processes are laborious.

**Tracking Total Time.** Since tracking is an ordeal, keeping track of the time taken at different stages is difficult.

**Tracking Samples.** It is difficult to identify in real-time, the exact sample which delivered the desired results, resulting in wastage of time to the scientist and the lab manager.

**Searching for Similar Experiments.** With a conventional note book, it is difficult to ascertain if similar experiments

## Introducing vACT:LabNoteBook™

It is time to say goodbye to outdated and conventional note books, and bring the future in - with vACT:LabNoteBook™. Apart from meeting the statutory requirements, this innovative, new product gives you the power to take complete control of your research process. Here are the benefits:

- Complete record of every stage of a project
- Searchable database of records - experiments, procedures, scientists, and materials used
- Centralized data maintenance
- Productive scheduling, cost tracking, standardization
- Audit trail
- Easy & effective review, precise reporting
- Security of intellectual property

## Why vACT:LabNoteBook™

**Cost Reduction:** It is easy to ascertain whether similar experiments were conducted earlier by querying with a few relevant parameters, right at the start. Wasteful investments in repetitive experiments are thus avoided.

**Reduction in Data Entry Errors:** Manual transcription of laboratory data is prone to error. vACT:LabNoteBook™ holds the original data, obviating the need for repeated input.

**Searching and Reporting:** Searching for details pertaining to a project from paper-based laboratory notebooks is cumbersome and highly unproductive. This process becomes a bigger ordeal if a scientist or researcher leaves your organization. But with vACT:LabNoteBook™, the knowledge has been stored for posterity. An immediate, efficient and powerful searching process allows existing in-house knowledge to be reused more effectively.

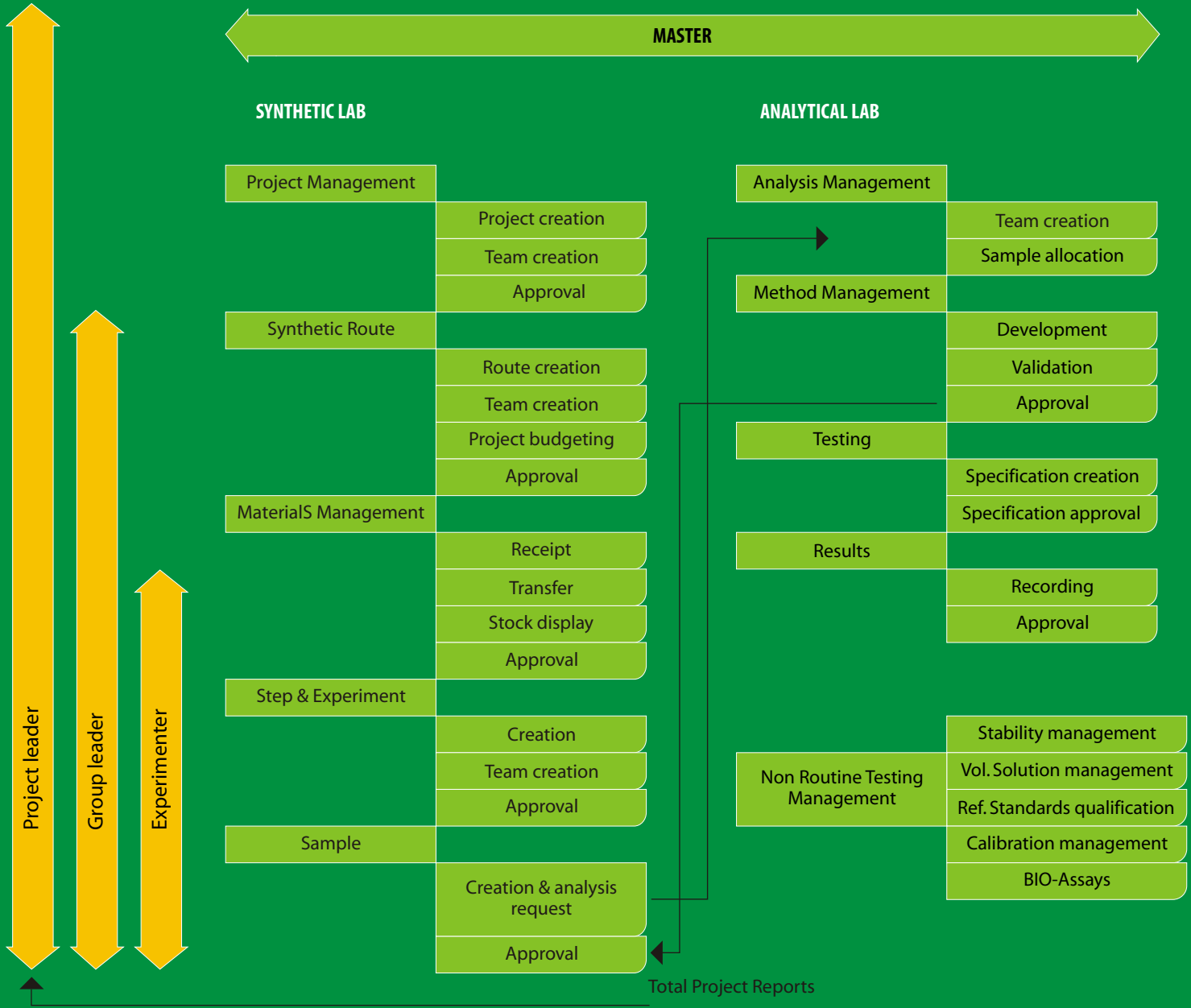
**Ease and Efficiency of Review:** Specific groups will be able to review the contents of vACT:LabNoteBook™ without scientists having to surrender a notebook. This is possible because vACT:LabNoteBook™ will be simultaneously available to all authorized users.

**Audit Trail:** Audit records enable the correct operation of the system to be analyzed, assessed and assured.

**Reduced Physical Storage Requirements:** Archiving of paper and other physical documents is space-intensive. Archiving of electronic records requires only the space required by the computer hardware.

**Scientist Time:** vACT:LabNoteBook™ reduces the data transcription time of the scientists and enables them to concentrate on their R&D work.

**Incorporates Chemical Structure Drawing Tools**



# Solutions from SpectraSoft

vACT:LabNoteBook™ is brought to you by SpectraSoft, the IT company that is focused on pharmaceutical industry. SpectraSoft has unmatched pharmaceutical industry knowledge and proven expertise in IT solutions.

SpectraSoft has the complete range of IT solutions for pharmaceutical business. Our IT solutions are classified as:

## Enterprise Solutions

- Spectra:ERP™
- Spectra:S&D™

## Functional Solutions

- vACT:LabNoteBook™
- vACT:Stability Manager™
- vACT:eCTD™
- vACT:Employee Portal™
- vACT:GXP Trainer™

## Services

- SAP Implementation
- SAP and Other Third Party Solutions Maintenance and Support
- IT Solutions Qualification and Validation

For more details about our products and services, and how you can benefit by using them,

Analyst

Analytical leader

## Technical Parameters

Software	Type	Purpose
Windows 2000	Pro OS	Operating System
SQL 2000 /SQL 7.0	RDBMS	To maintain the data & above
<b>Security</b>		
<ul style="list-style-type: none"><li>• Password encryption</li><li>• Procedure encryption</li><li>• Controls for security and privacy</li><li>• Time and date stamping of all data capture</li><li>• 21 CFR Part 11 compliant</li></ul>		

## Call Us Now for Guaranteed Success

To understand how vACT:LabNoteBook™ can make a difference to your research process, call us now at any of the numbers mentioned at the back. You will see why the future of your pharmaceutical business needs the edge of



**Corporate Office:**

1, 6<sup>th</sup> Floor, Crown Court  
# 128, Cathedral Road  
Chennai 600 086. India  
Tel: +91-44-28112714  
+91-44-28112715  
Fax: +91-44-28114595

**Marketing & Sales Office:**

"Heera Paradise",  
2<sup>nd</sup> Floor, 487, 9<sup>th</sup> Main  
4<sup>th</sup> Block, Jayanagar,  
Bangalore 560011. India  
Tel : +91 80 32955154  
+91 80 65662987  
+91 80 22450992  
email: sales@techspectra.com

**US Office:**

116, Village Boulevard,  
Suite 200, Princeton,  
NJ 08540  
USA

**[www.techspectra.com](http://www.techspectra.com)**