



# Health Foundation

[www.bikalabs.org](http://www.bikalabs.org)

registered not for profit  
2008/008390/08

## Bika Open Source LIMS community

- Bika LIMS intellectual property and program code
- Downloads, Knowledge Centre, Mailing lists and Forums
- Manuals, Training videos and Translations
- 20 developers and 110 users.  
15 000 downloads

**Community**



- Partners and Industry specialists
- Commercial clients
- Team of 10  
5 Engineers, Project manager and Administrator, LIMS Analyst, Technical writer, Testers
- 5 Supported installations
- 3 Development projects

**Professional services**



# Open source platform

Web based. Not web enabled



Feature rich industry proven  
LIMS for chemistry



Award winning user-friendly  
web content management system



Application server and object database



Dynamic and fast growing object oriented  
programming language

Platform independent: Apple · Linux · Windows

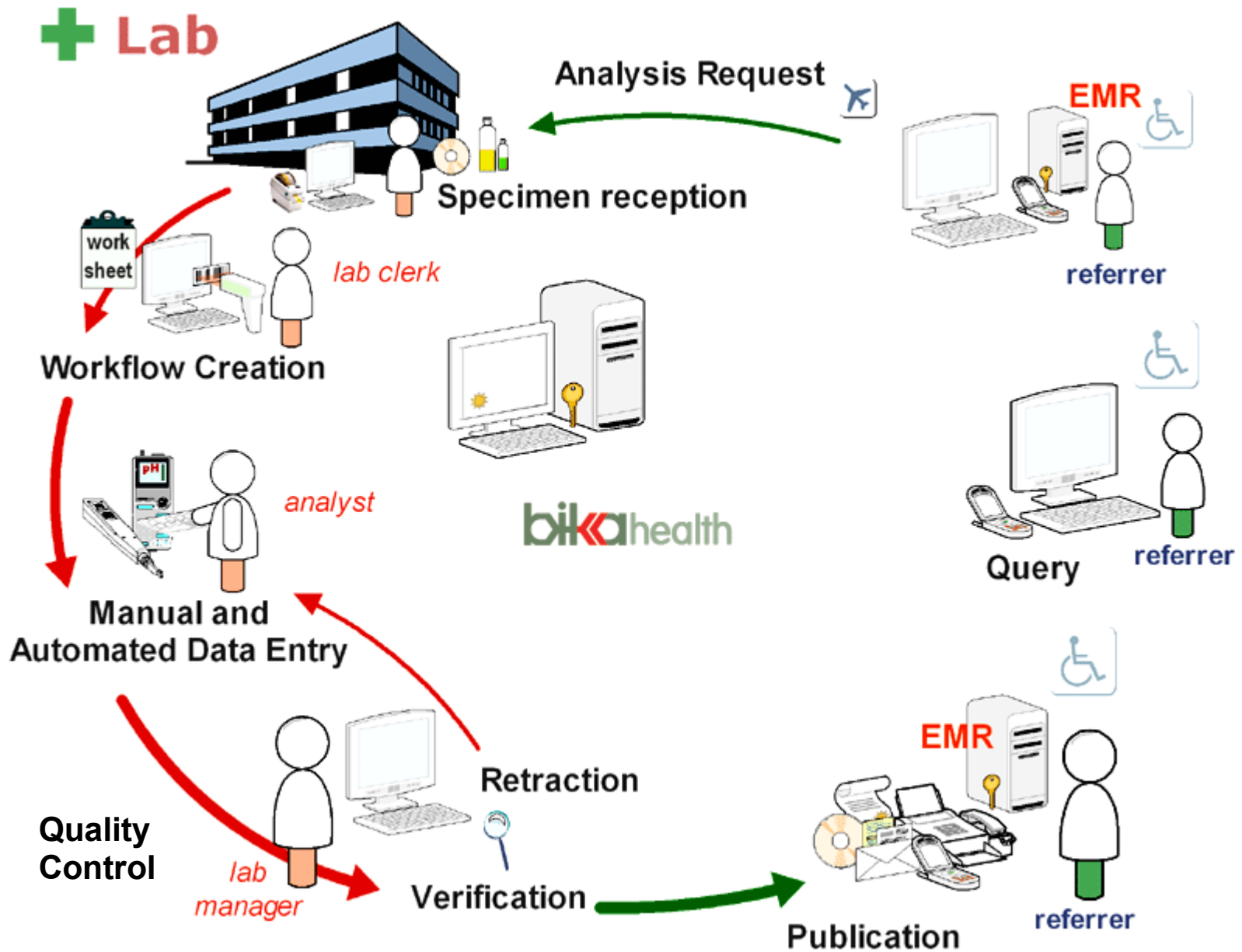
Recommended

FreeBSD or Ubuntu · Robust

Apache · Secure http server

Sendmail and HylaFAX · Enterprise-class mail and fax servers

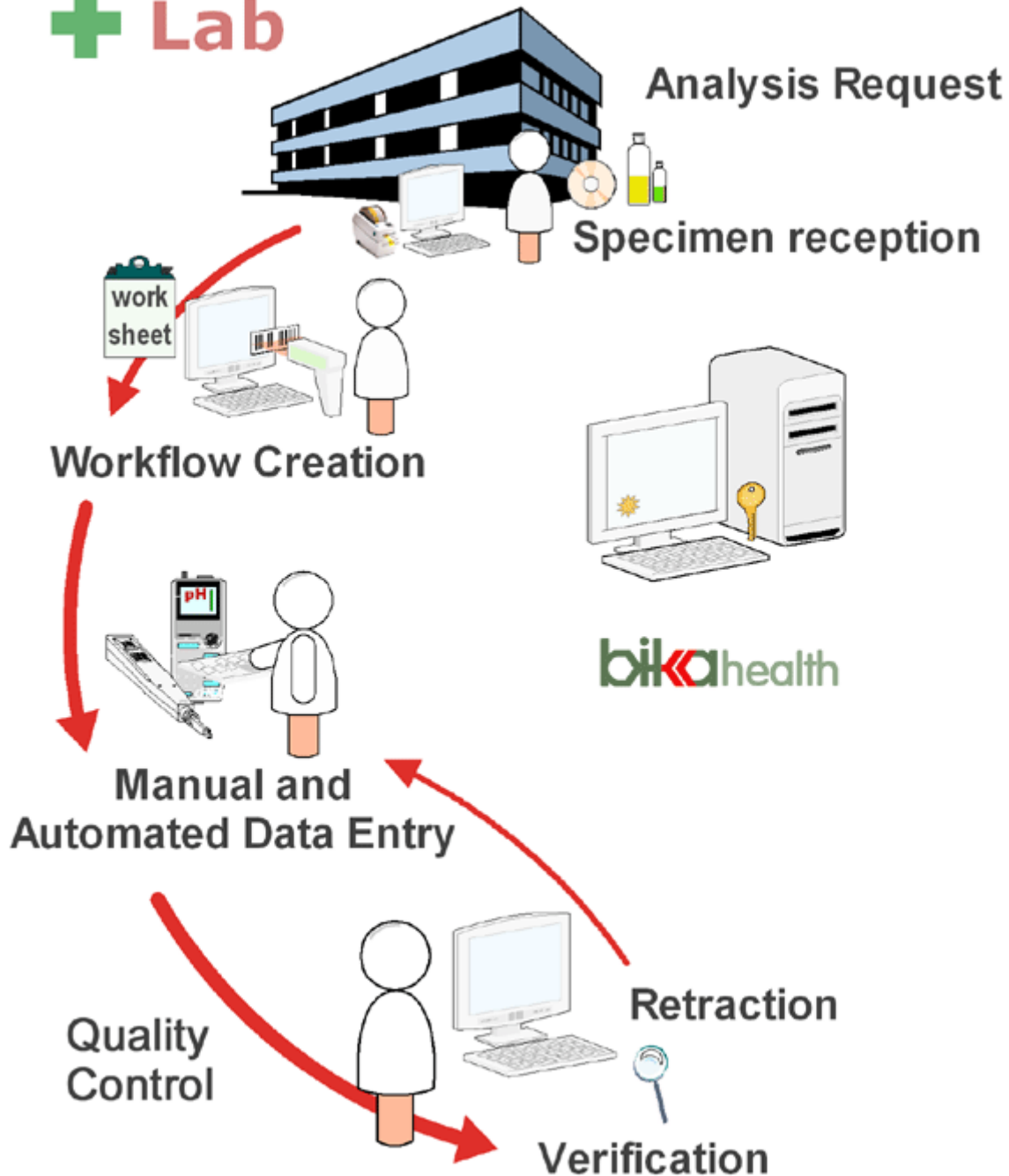
**\$0.00 license fees**  
**No vendor lock-in**



**tell it as it is**

bika (bi:ka Zulu) report, from clan to clan, bring news of weddings, births, festivals and funerals

**+ Lab**



**Resource pool setting**

**Rapid preconfigured installation**

# Functionality

- Lab & User set-up, system defaults & preferences

## **Patient demographics**

- **Analysis specifications**
- Requesting analyses, remotely or on-site

## **Analysis Profiles**

- Batched imports per digital referrer dispatch



# Functionality

- Sample reception, labelling, expiry and disposal

- Analysis and Request status management

On-line monitoring by referrers

- **Worksheet templates** and management

Calculated results

- Manual and digital results data capturing

**Quality control**



# Functionality

- **Results retraction or verification and publishing by lab managers**
- **Results publication per e-mail, fax, printed certificate, SMS and export file**
- **Alerts** for samples due, late analyses, results to be verified or published, samples for disposal · **True working hours calendar**
- **Analyses and Worksheet queries and Exports**

# Functionality

- **LiveSearch** - instant results while typing search terms
- **Management reports and graphs**
- **Audit logs** per analysis, sample and analysis request, worksheets
- **Prices, Invoices & exports**

# Functionality

- **Full Web Portal content management**, pages, documents, files, news, events, etc. Publish lab information to referrers and staff – safety, regulatory and accreditation **document management**
- **Internationalisation. Localisation**
- **Plone web portal add-ons: Help centre, News letter and many more**
- **Product Orders**

**Roadmap: Inventory management · HL7 · LOINC**

**'Cloud based' hosting – Google, Amazon, VMware**



# Interfaces

- **Bi-directional csv instrument interfaces**
- **Analysis request and sample imports**
- **Results exports**
- **Invoice exports**
- **Barcoding**

# Customisation

Open Source – Customisations can be carried out by your own IT staff or any service provider. Without vendor lock in or fixed upgrade cycles

## Reports and graphs

### Productivity

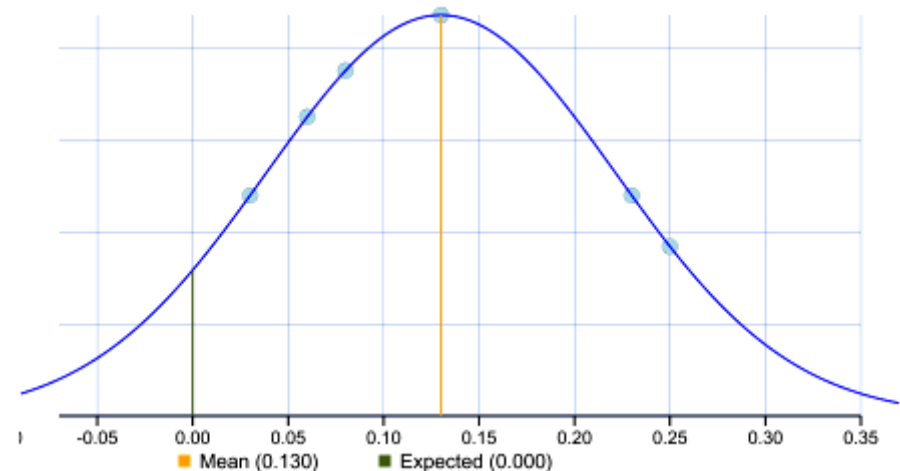
- Analyses per service
- Analyses per sample type
- Analysis requests and analyses per referrer
- Analysis turnaround time

### Quality control

- Analyses out of range
- Analyses repeated
- Standard analysis QC graphs
- Duplicate analysis QC

### Patients

- Results per patient / analysis report and graph



# Support

- Email, dial-in and telephonic user support and systems administration
- On-line Tracker · Manage issues to resolution on-line

# Local vendors

- Partnerships · Technical support contracts
- Knowledge transfer

# Training

- On-site · Training the trainer
- Help center with manuals and training videos
- Test and training servers



# What sets Bika apart

- **POS – Professional Open Source**
- **Laboratory Web Portal · Content Management**
- **Easy does it · No disruptive desktop installations**
- **Localisation**
- **Low training threshold**
- **SaaS · Software as a Service.** From a server close to you
- **Tailor-made · To requirement**
- **Unmatched affordability**
- **LiveSearch · Results at your finger tips**





**Thank you**



**Lemoene Smit  
Director**



**We don't have time**