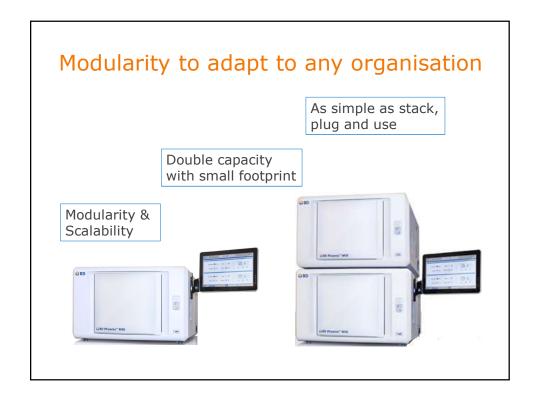
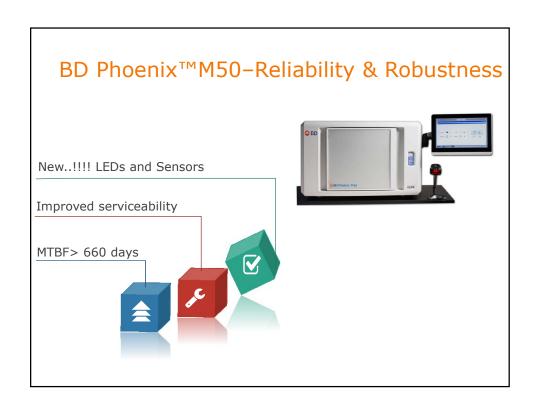


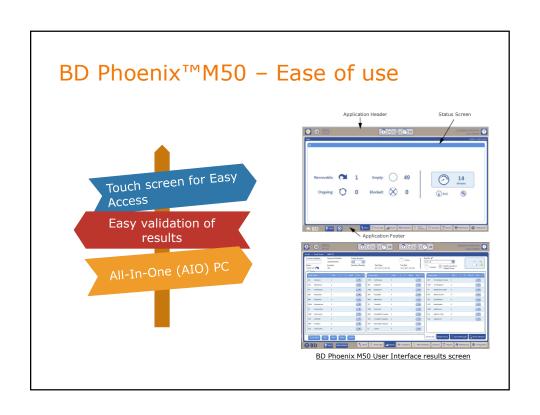


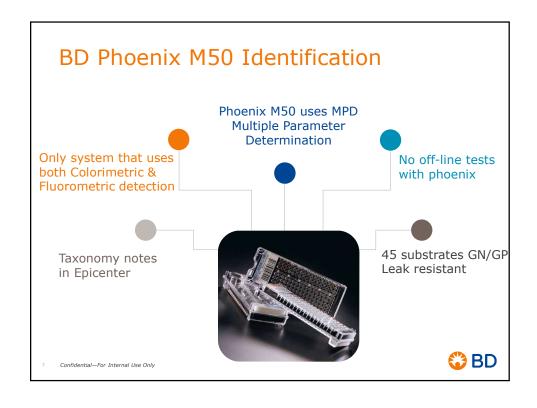
# Why BD Phoenix™ M50 ?

- · Rapid results
- Accurate results
- · Easier workflow for customers
- · Offers complete testing to customers
- Advanced Data Management BD EpiCenter™
- Monitor Instrumentation and results
- Analyze Taxonomy notes and BDXpert
- · Communicate Laboratory and beyond











## BD Phoenix™M50 Panel

- · Identification only
- · Room temp storage
- · Leak Resistant
- 51 ID wells (45 substrates)
- · Gram negative organisms
  - Enterics and non fermenters
  - 161
- · Gram positive organisms
  - catalase positive and negative
  - 140
- Strep- 32
- · Yeast-64



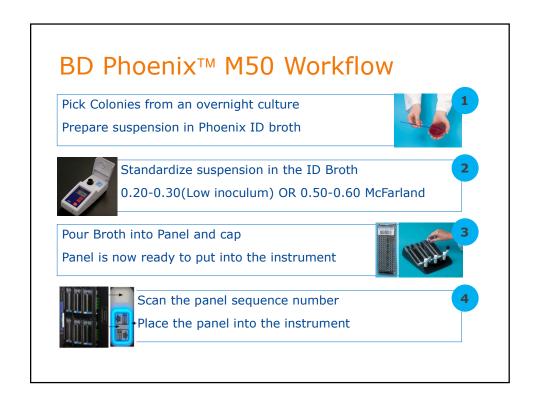
#### BD Phoenix™ M50 Software

- · Log in panels
- · View or change results
- · Review BDXpert recommendations
- · Print lab reports
- · Finalize results
- · Quality Control

# BD Phoenix™ M50 Workflow

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# BD Phoenix™ Workflow Study (Time required for 50 panels)

Task	Phoenix
Inoculum Prep	N/A
Log-in	3 min 20 sec
Label Panels	7 min 41 sec
Inoculate Panel	14 min 38 sec
Load Panel	3 min 45 sec
Total	29 min 24 sec

Meyer et.al., ASM, May 2000

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## **Instrument Processing:** What happens behind the closed door?

#### Inventory scan

- Door locks
- Barcode reader reads panel barcodes
- Scans with red LED's to determine missing panels
- Needs Attention posted for:
  - Missing acc #
  - Unreadable barcodes
  - Missing panels

#### Reading

- Each well divided into pixels
- Readings taken for each pixel
- Entire process takes 7 minutes

#### Calculate data

- Pixel data analyzed for each
- Readings for each well compared to previous reading and baseline
  - Well is complete when specific amount of change is not seen
  - Substrate algorithm dependent
- · Instrument will post results when enough data collected



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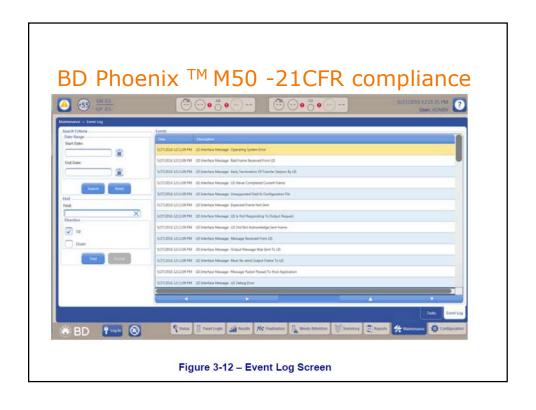
## BD Phoenix <sup>TM</sup> M50 -21CFR compliance

- Different user logons capability.
- Current user name is displayed in the upper right corner of application header region and also printed with result.
- After 5 unsuccessful login attempts, the user account will be locked.
- All users will be required to change their passwords.
- Administrator
  - Lab administrator for lab location. All system functionality is accessible including system configuration. Administrators can create and delete other lab administrators and general lab users.
- - All system functionality is accessible except system configuration, which is read only. Users can reset their own password.
- Lab Administrator Users
  - Users that are at the Lab Administrator level will be able to access the full set of user management features.  $\,$
- Event log and audit trails- Un-editable event log is available.
- Software backup- Automatic on BD Epicenter, or can be manually taken.

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# Media:ID Only

- Trypticase ™ Soy Agar w/o blood
- Trypticase™ Soy Agar with 5% Sheep Blood
- Trypticase Soy Agar with Lecithin and Polysorbate 80
- BBL™CHROMagar™ Orientation Agar
- · Chocolate Agar
- · Columbia Agar with 5% Horse Blood
- · Columbia Agar with 5% Sheep Blood
- · Columbia CAN Agar with 5% Sheep Blood
- · Bromthymol Blue Lactose Agar
- · Cystine-Lactose-Electrolyte Deficient Agar
- · Dey/Engley Neutralizing Agar
- · Eosin Methylene Blue Agar
- · Hektoen Enteric Agar
- MacConkey Agar
- · Phenylethanol Agar
- · Xylose Lactose Desoxycholate

### Phoenix Identification Features

- 45 Substrates GN / 46 Substrates GP/45 substrates Yeast
- Five databases per panel type (GN, GP, Strep)
  - Time specific = 2, 3, 4, 6, 12 hrs (GN, GP)
  - Time specific = 2, 4, 6, 8, 12 hrs (Strep)
- Taxonomy Notes in BD EpiCenter
- Low Inoculum Mode- both 0.25 and 0.50McF
- With 45 substrates and time dependent database, <u>175 trillion</u> biochemical profiles are created

#### Phoenix Yeast ID

- · Approximately 70 taxa
- 2 Database Options (Sab Dex / TSA)
- Time to Results = 4 to 15 hours
- Average TTR for most common species ~ 6 hrs.
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