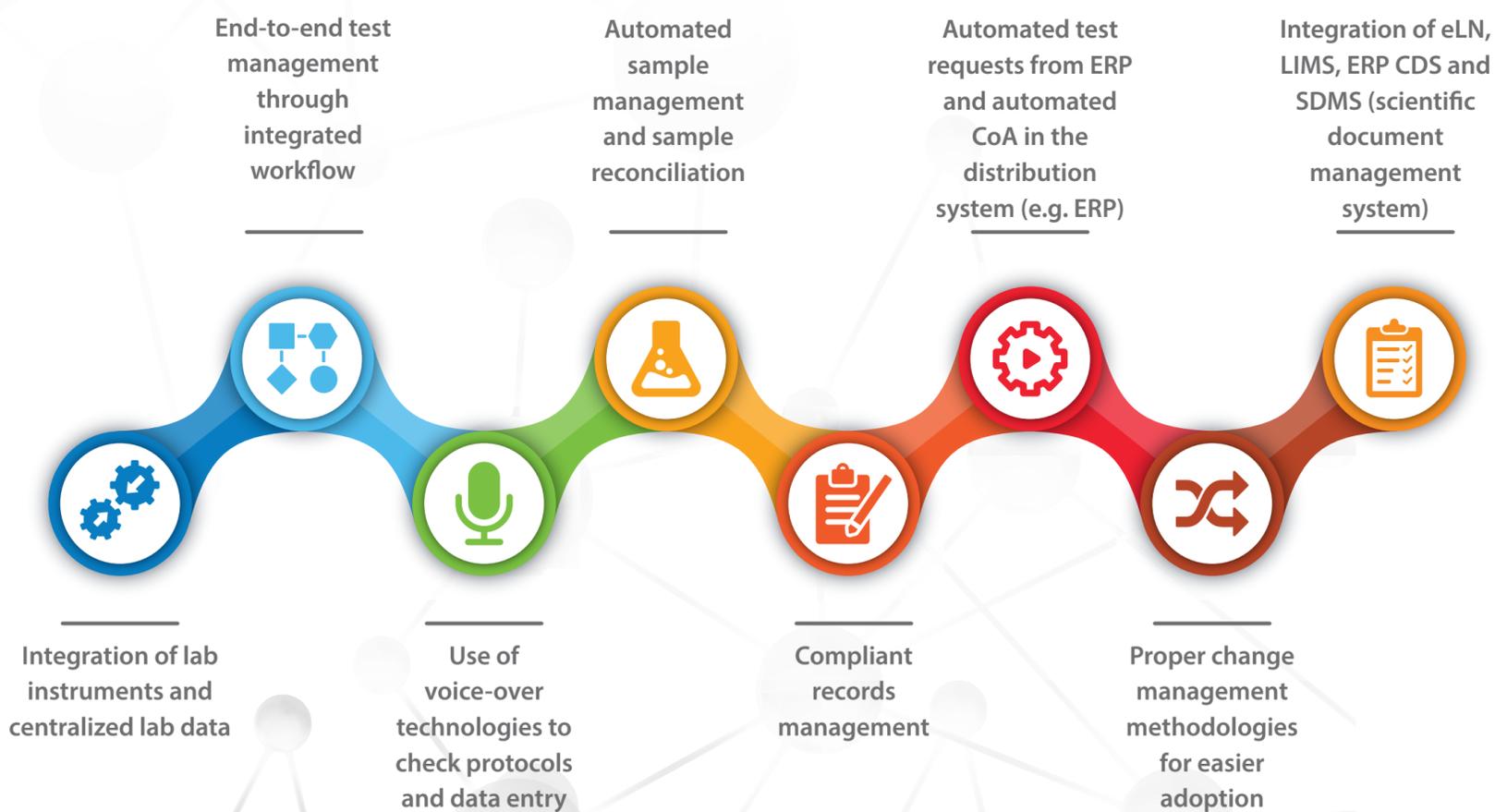# PAPERLESS LAB

Infosys *be more*

Industry Need

Lab data integrity is a major industry challenge, as is evident from the recent FDA guidelines on the topic. While this is widely known, the manual nature of lab operations, data entry, and error-prone reporting makes this operation complex:

Manual data error leading to wrong results and erroneous certification

Reduced productivity for high re-work

Lack of communication among various lab systems

Key Solution Attributes/Tenets

Infosys offers a Paperless Lab Solution to create an integrated lab environment in which lab processes are automated, methods are managed electronically, instruments are connected, and results are generated through automated workflows. This will help chemists who currently use digital devices to interface with software to eliminate manual data entry.

End-to-end test management through integrated workflow

Automated sample management and sample reconciliation

Automated test requests from ERP and automated CoA in the distribution system (e.g. ERP)

Integration of eLN, LIMS, ERP CDS and SDMS (scientific document management system)

Integration of lab instruments and centralized lab data

Use of voice-over technologies to check protocols and data entry

Compliant records management

Proper change management methodologies for easier adoption

Outcomes

Organizations can expect considerable freeing up of scientist bandwidth. This will, in turn, motivate them to focus on high-end tasks. It also results in:

Higher data integrity and confidence in quality of reports

Significant improvement in lab personnel productivity

Low probability of error and higher speed of product certification

Reduced tester attrition

Infosys.com