Nostics

10min to Id – Novel Point of Care Dx platform – UTIs

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Novel Diagnostics for Infectious diseases – 25th March 2024

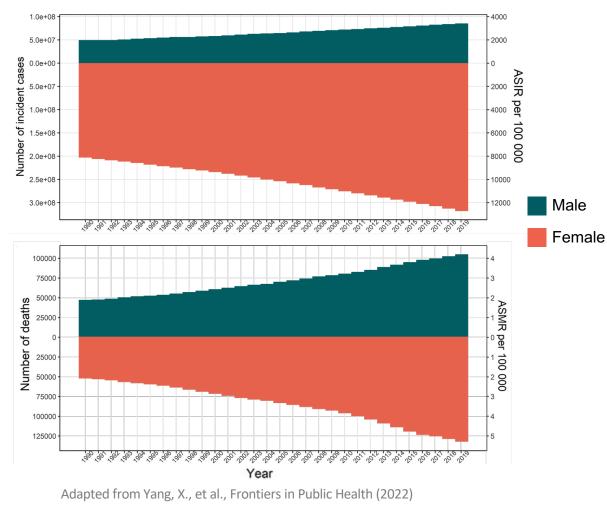
Nostics B.V. Amsterdam, NL

Nostics Inc.
Cambridge, USA



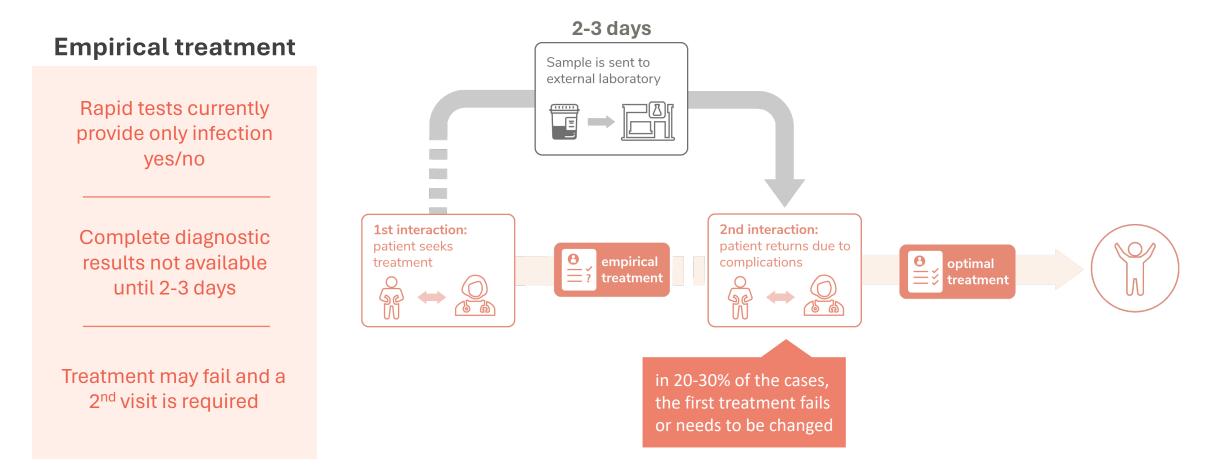
The example of urinary tract infections (UTIs)

Global trends of UTIs incidence cases and deaths





Antibiotic misuse at the point-of-care: causes Patients are treated empirically because lab results are not available in time

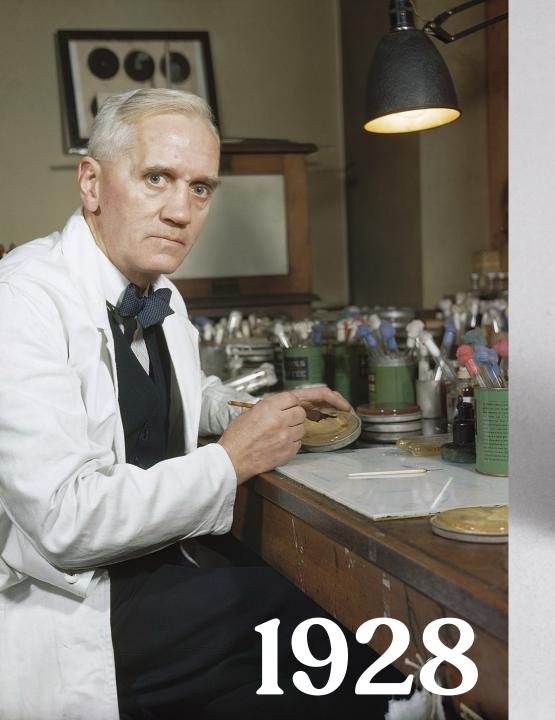


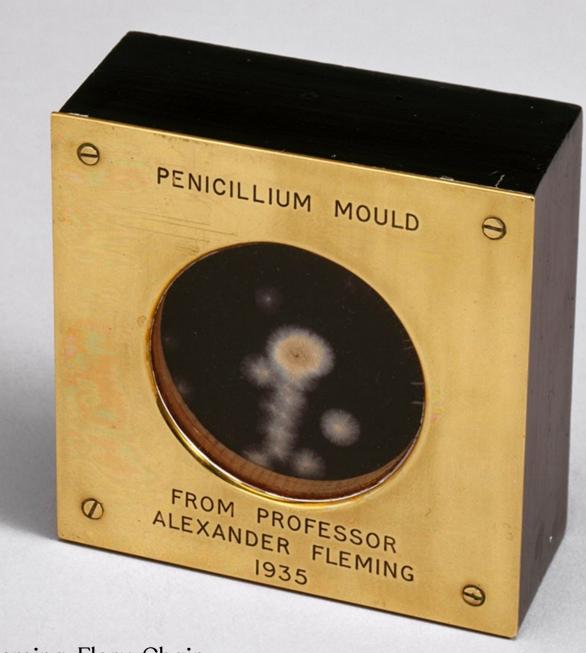
Why do we still not have an ideal test? Requirements for effective UTI diagnostics

Real-time connectivity Ease of specimen collection **A**ffordability **S**ensitivity **S**pecificity **U**ser Friendliness Rapid & robust Equipment-free **D**eliverable to end-users

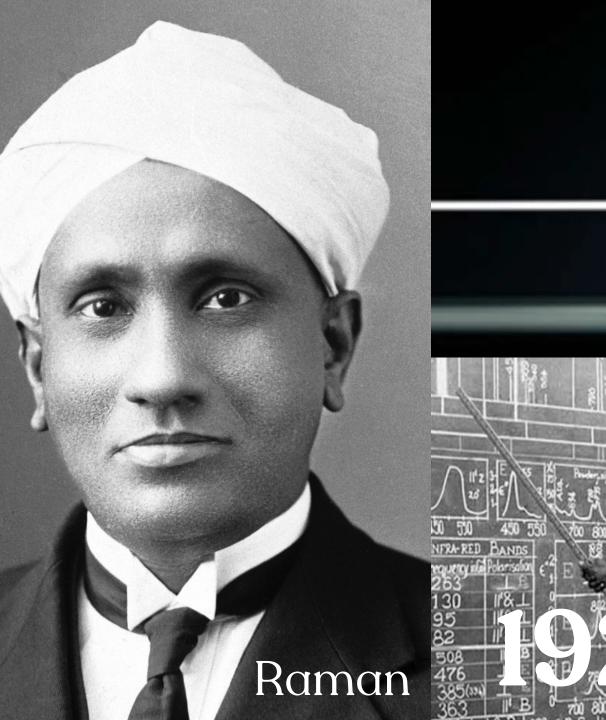
Land, K.J., et al. Nat Microbiol (2019)

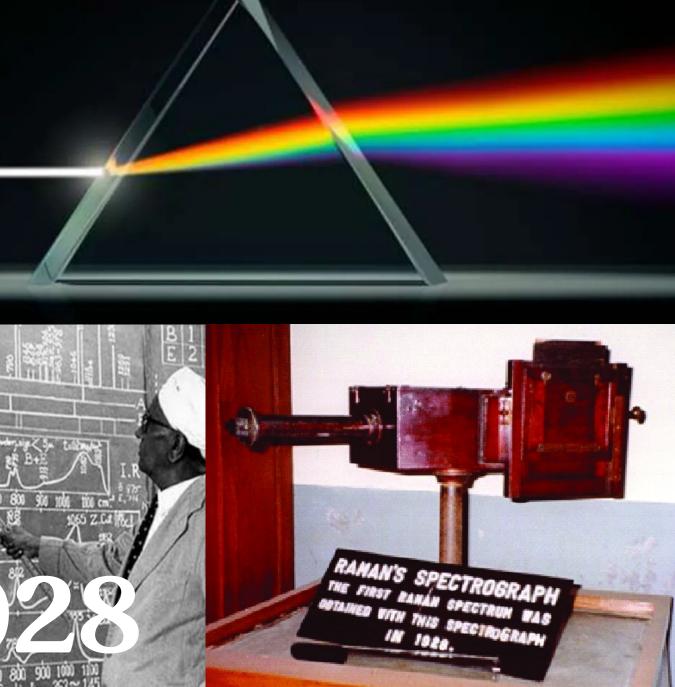






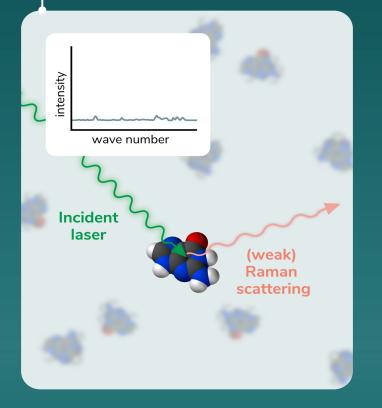
Fleming, Flory, Chain



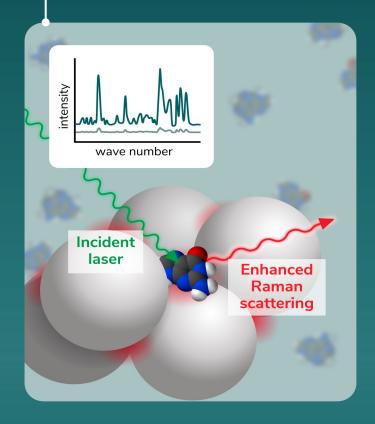


Surface Enhanced Raman Spectroscopy (SERS)

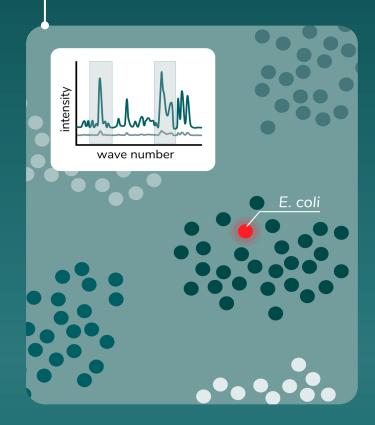
 Raman spectroscopy for specificity



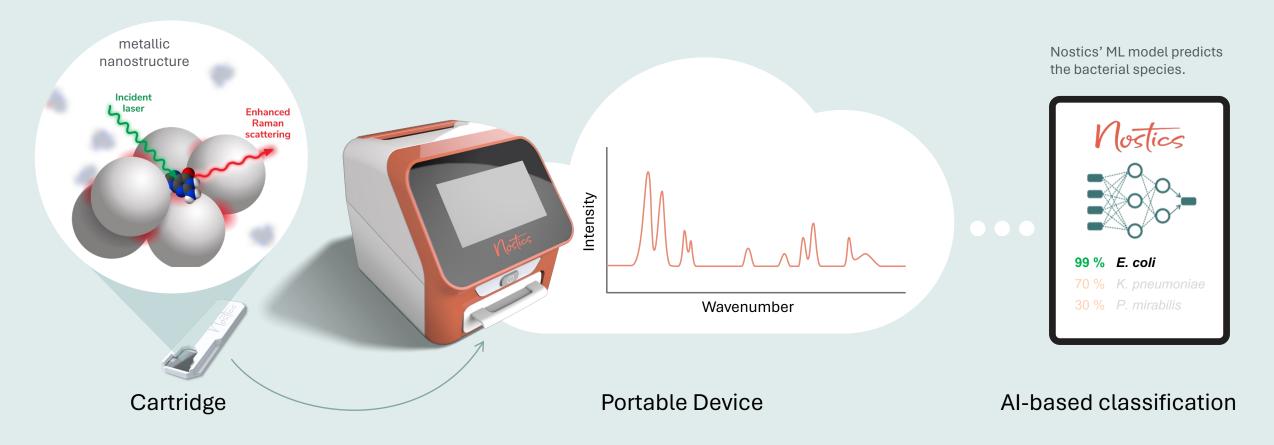
 Nanotechnology for sensitivity



 Al for automated and objective identification

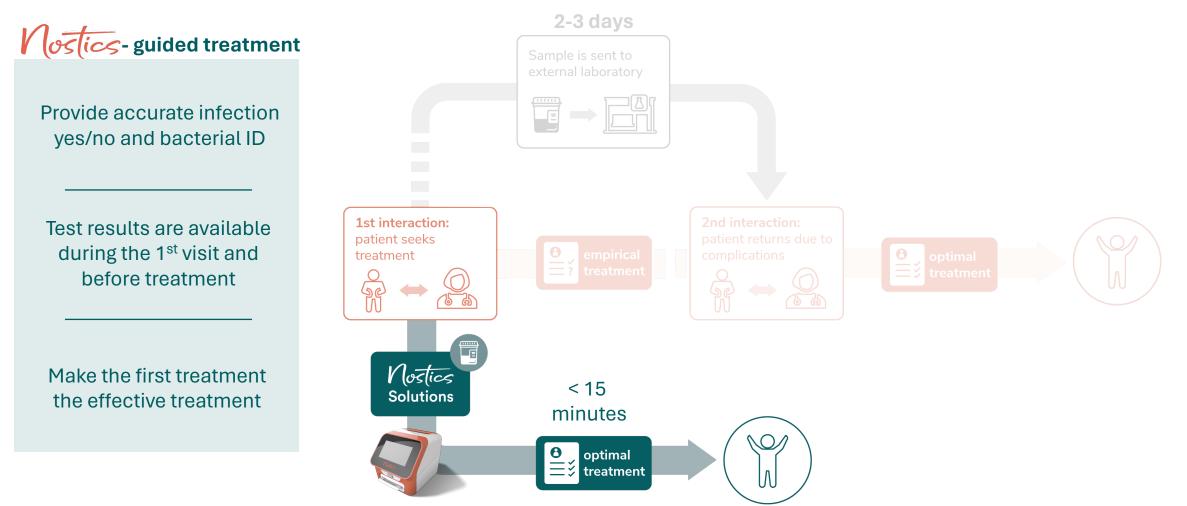


Creating an ideal POC diagnostic tool Ticking all the REASSURED boxes





How SERS can optimize antibiotic use Data driven diagnostics – during first visit



Nostics' SERS Platform approach Enabling expansion of application spectrum



Thank you!

Questions? Suggestions? Reach out to me: eva.rennen@nostics.com

> Pathogen fingerprinting

Al-powered

Photonics

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