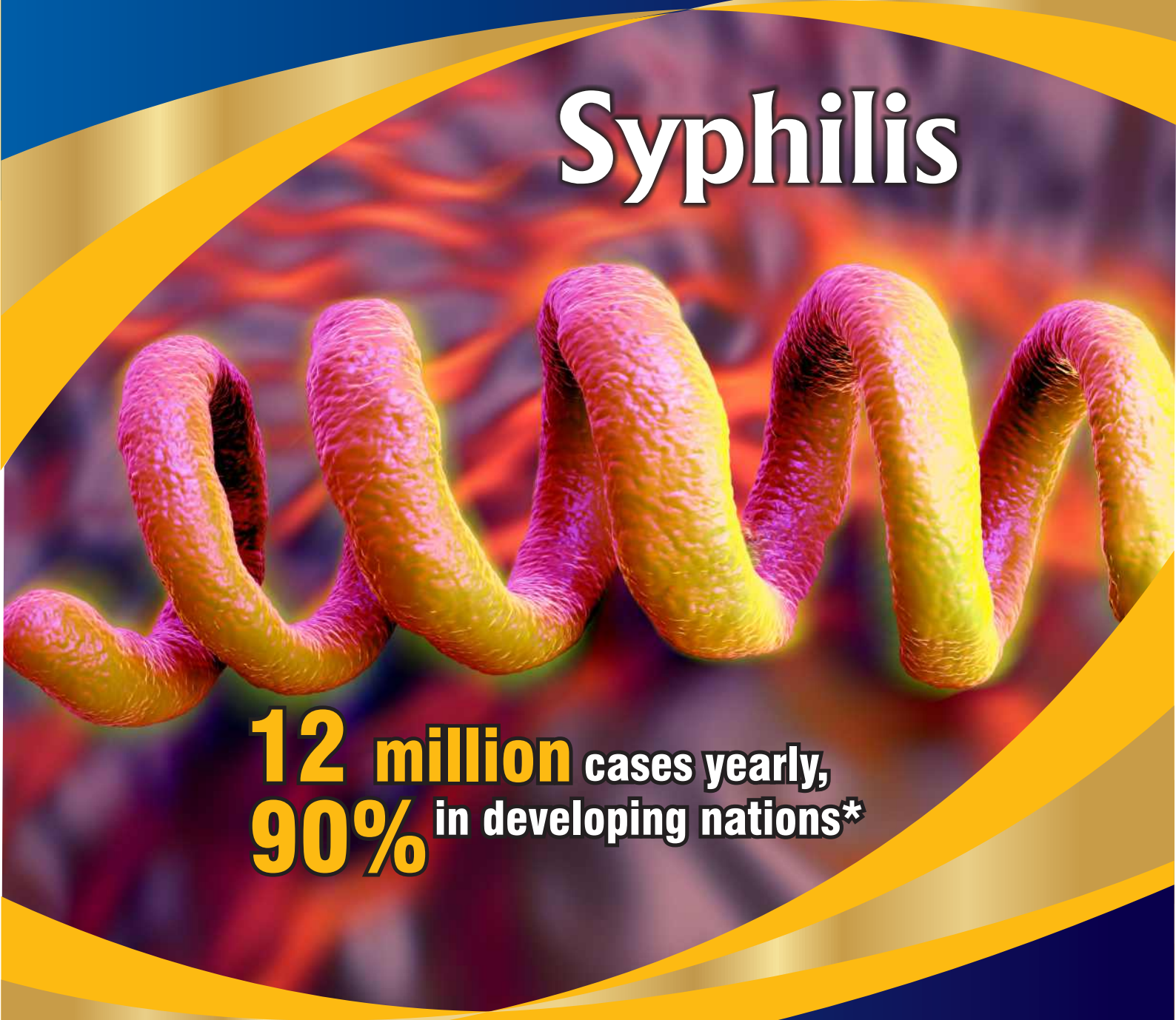
Erba® Mannheim

TRANSASIA®
No.1 Diagnostic Company in India

Syphilis



12 million cases yearly,
90% in developing nations*

The Recommendation

Syphilis screening in blood donors by *treponemal test*, e.g. ELISA.

The Problem

- **India**: Screening done by non-treponemal test, e.g. RPR.
- Less specific test, may give false-negative results.

Comparative evaluation of enzyme-linked immunosorbent assay with rapid plasma reagin for screening of syphilis in blood donors

Asian Journal of Transfusion Science
2018

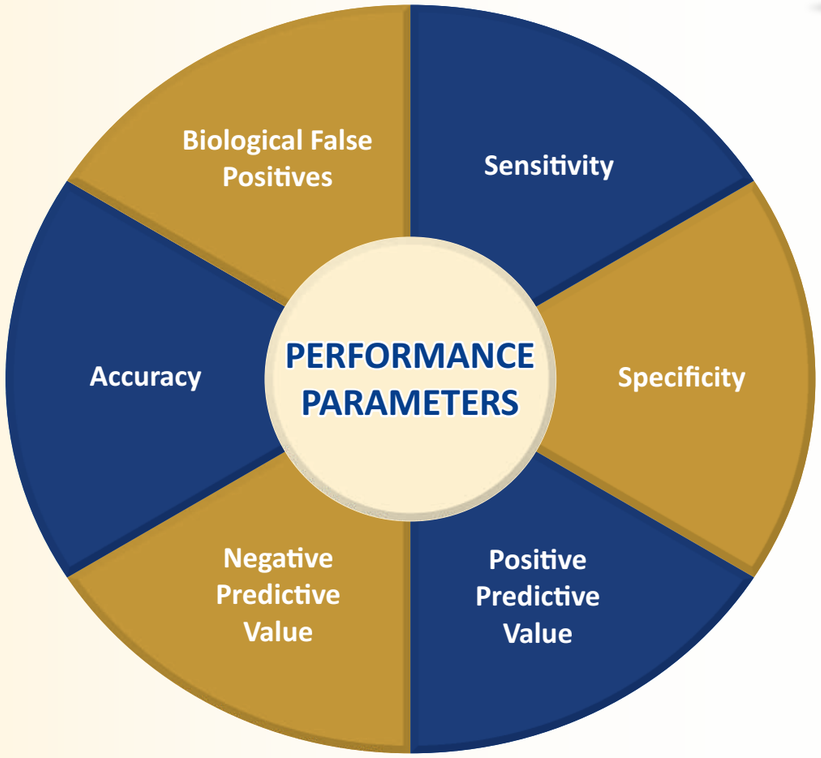
OBJECTIVE

Study performance of ELISA as a tool for Syphilis screening in comparison to RPR

PROTOCOL

Phase 1:
600 consecutive donor samples simultaneously screened by ELISA & RPR

Phase 2:
43 repeat reactive samples (reactive on 2 RPR kits) screened by ELISA and TPHA



This study was done using
Erba Lisa® Syphilis

Results of the study at PGIMER, Chandigarh

Specificity
57% | 0%
RPR : 0% specificity

Accuracy
84% | 63%
ELISA: Better accuracy

Biological False Positivity (BFP)
21% | 37%
RPR: Higher BFP

Sensitivity
100% | 100%
ELISA: 100% sensitivity

Negative Predictive Value (NPV)
100% | 0%
ELISA: 100% NPV

Positive Predictive Value (PPV)
79% | 63%
ELISA: Better PPV

Conclusion:

"**WHO** recommendations of screening for syphilis using **ELISA**, in low prevalence population of blood donors, is more suitable for usage in transfusion services."

Erba Lisa® Syphilis

Performance

- Excellent sensitivity and specificity
- Detection of Syphilis at any stage of infection

Reliability

- Total antibodies(IgM, IgG & IgA) detected against Treponema pallidum in human serum/plasma
- 1st Syphilis ELISA in India to be approved by NIB

Convenience

- Ready to use reagents
- Short TAT: 105 minutes
- Pack Size: 96T/192T

Automation compatible

* TDR for research on diseases on poverty. Disease Watch Focus: Syphilis; https://www.who.int/tdr/publications/disease_watch/syphilis/en

Imm/08-2019/V2/Dom/Bro

ERBA Diagnostics Mannheim GmbH
Mallaustrasse 69-73 68219 Mannheim, Germany
Tel.: (+49) 621 8799770 Fax: (+49) 621 8799688
Email: sales@erbamannheim.com

Toll Free Number
1800 130 8226
W: www.erbamannheim.com
Stay connected:

TRANSASIA BIO-MEDICALS LTD.
Transasia House, 8 Chandivali Studio Road,
Andheri (E), Mumbai - 400 072. T: (022) 4030 9000,
F: (022) 2857 3030 E: responses@transasia.co.in