

Table 3 Validity indicators for rapid diagnostic testing versus blood smear examination as the gold standard for detection of malaria

| Validity indicator | Total malaria % (95% CI) | Plasmodium vivax % (95% CI) | Plasmodium falciparum % (95% CI) |
|------------------------|-----------------------------|--------------------------------|-------------------------------------|
| Sensitivity | 98.8 (93.7–99.8) | 98.6 (92.2–99.7) | 100.0 (77.1–100.0) |
| Specificity | 91.5 (89.0–93.5) | 90.0 (87.3–92.1) | 97.3 (95.6–98.3) |
| PPV | 63.0 (54.6–70.6) | 52.7 (44.1–61.1) | 48.6 (31.7–65.7) |
| NPV | 99.8 (99.0–100.0) | 99.8 (99.0–100.0) | 100.0 (99.3–100.0) |
| Likelihood ratio (+ve) | 11.7 (9.0–15.2) | 9.8 (7.7–12.4) | 36.7 (23.2–57.8) |
| Likelihood ratio (–ve) | 0.013 (0.002–0.089) | 0.016 (0.002–0.113) | – |
| Accuracy | 92.5 | 90.8 | 97.3 |
| Kappa | 0.73 | 0.64 | 0.64 |

CI = confidence interval; PPV = positive predictive value, NPV = negative predictive value; +ve = positive; –ve = negative..