**Evaluation of AUTION EYE AI-4510 flow cell morphology analyzer for counting urinary particles**

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**Table 3S.** Detection of white blood cells (WBC) in urine by AUTION EYE AI-4510 against visual microscopy. Statistical uncertainty zone (11-100 ×106/L) is marked with **bold face**.

|  |  |
| --- | --- |
|  | **AUTION EYE AI-4510** |
| **VISUAL** | Categories (particles ×106/L) |
| Categories (particles ×106/L) | 0-10 | 11-30 | 31-100 | 101-300 | 301-1000 | >1000 | **Total** |
| 0-10 | 441 | **53** | **0** | 0 | 0 | 0 | *494* |
| 11-30 | **25** | **133** | **31** | 0 | 0 | 0 | *189* |
| 31-100 | **5** | **15** | **139** | 5 | 0 | 0 | *164* |
| 101-300 | 1 | 0 | 10 | 92 | 7 | 0 | *110* |
| 301-1000 | 1 | 0 | 0 | 5 | 38 | 0 | *44* |
| >1000 | 0 | 0 | 0 | 0 | 0 | 11 | *11* |
| **Total** | *473* | *201* | *180* | *102* | *45* | *11* | *1012* |
| **Agreement at diagonal** | 84.4% |
| Agreement, diagonal ±1 category | 99.3% |
| Cohen’s kappa (Weighted) | 0.95 |
| **Accuracy of diagnostic classification** |  |  |
| **Limit of positivity** | 10 | 30 |
| Sensitivity (95%CI) | 93.8% (95%CI: 91.4 – 95.7%) | 93.3% (95%CI: 90.1 – 95.8%) |
| Specificity (95%CI) | 89.3% (95%CI: 86.2 – 91.9%) | 95.5% (95%CI: 93.6 – 96.9%) |