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

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**Table 2S.** Detection of red blood cells (RBC) 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 | 327 | **92** | **4** | 1 | *0* | *0* | *424* |
| 11-30 | **54** | **188** | **35** | 0 | *0* | *0* | *277* |
| 31-100 | **0** | **14** | **132** | 19 | *0* | *0* | *165* |
| 101-300 | 1 | 0 | 2 | 56 | *6* | *0* | *65* |
| 301-1000 | 0 | 0 | 0 | 2 | *43* | *6* | *51* |
| >1000 | 0 | 0 | 0 | 0 | *0* | *30* | *30* |
| **Total** | *382* | *294* | *173* | *78* | *49* | *36* | *1012* |
| **Agreement at diagonal** | 76.7% |
| Agreement, diagonal ±1 category | 99.4% |
| Cohen’s kappa (weighted) | 0.93 |
| **Accuracy of diagnostic classification** |  |  |
| Limit of positivity | 10 | 30 |
| Sensitivity (95%CI) | 90.7% (95%CI: 88.0 – 92.9%) | 95.2% (95%CI: 92.2 – 97.3%) |
| Specificity (95%CI) | 77.1% (95%CI: 72.8 – 81.0%) | 94.3% (95%CI: 92.3 – 95.9%) |