

Conway DP, Holt M, McNulty A, Couldwell DL, Smith DE, Davies SC, Cunningham P, Keen P, Guy R on behalf of the Sydney Rapid HIV Test Study. Multi-centre evaluation of the Determine HIV Combo assay when used for point of care testing in a high risk clinic-based population. PLOS One 2014.

Supporting Information File S1

Table S1 Testing data & trained staff by study site

Table S2 Patient behavioural characteristics

| Table S1 Testing data & trained staff by study site | | | | |
|--|------------------|------------------|--------------------|------------------------|
| Study site | Sydney SHC | Albion Centre | Western Sydney SHC | North Shore SHS |
| Patient participants (N, %) | 1565 (63.4) | 285 (11.6) | 473 (19.2) | 145 (5.9) |
| Rapid tests performed (N, %) | 2025 (63.4) | 348 (10.9) | 653 (20.4) | 169 (5.3) |
| True negative results* (N) | 1986 | 332 | 647 | 168 |
| False negative results* (N) | 3 | 2 | 0 | 0 |
| True positive results* (N) | 22 | 9 | 3 | 0 |
| False positive results* (N) | 11 | 4 | 3 | 0 |
| Invalid rapid tests (N) | 3 | 1 | 0 | 1 |
| 4 th generation laboratory screening assay | Abbott Architect | Abbott Architect | Abbott Architect | Roche Elecsys Combi PT |
| Clinician staff trained (N, %) | 24 (35.3) | 12 (17.7) | 20 (29.4) | 12 (17.7) |
| *Refers to rapid test performance overall; SHC=sexual health centre; SHS=sexual health service | | | | |

Table S2 Patient behavioural characteristics*

| Characteristic | HIV-positive (n=21)† | HIV-negative (n=1072)† | Total (n=1093)† | Chi-square; p-value |
|---|----------------------|------------------------|-----------------|---------------------|
| Identifies as gay | 19 (95.0%) | 937 (87.7%) | 956 (87.9%) | ‡0.97; 0.280 |
| Ever tested for HIV | 20 (95.2%) | 961 (89.8%) | 981 (89.9%) | ‡0.67; 0.357 |
| Tests twice a year or more often | 9 (42.9%) | 584 (54.8%) | 593 (54.6%) | 1.18; 0.277 |
| More than 10 sexual partners in last 6 months | 8 (38.1%) | 299 (28.2%) | 307 (28.4%) | 1.00; 0.318 |
| UAI with casual partners in last 6 months | 12 (57.1%) | 367 (34.6%) | 379 (35.0%) | 4.62; 0.032 |
| UAI with regular partners in last 6 months | 11 (52.4%) | 604 (57.1%) | 615 (57.0%) | 0.19; 0.666 |
| *Data from men participating in a survey conducted in the first 10 months of the study only | | | | |
| †Men with missing data excluded; ‡Fisher's exact test; UAI=unprotected anal intercourse | | | | |