Table 1. Sample spreadsheet for estimating predictive values of search algorithm hits

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| --- | --- | --- | --- |
| **Stipulated Algorithm Properties properties:** | | | |
| **Sensitivity (percentage of true positives identified as positive):** | 99 | % False negatives: | 1 |
| **Specificity (percentage of true negatives identified as negative):** | 99 | % False positives: | 1 |

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| --- | --- | --- | --- |
| **Results for  100,000 true positives among 7,000,100, 000 total in database** | | | |
|  | Identified as  positive | Identified as  negative |  |
| **True positives** | 99000 | 1000 | 100 000 |
| **True negatives** | 70000000 | 6930000000 | 7000000000 |
| **Sum identified pos/neg** | 70099000 | 6930001000 | 7000100000 |
| **Predictive values**  **(percentage true pos/neg**  **among all so identified)** | Pred.val. pos.:  0,141228834 | Pred.val. neg.:  99,99998557 |  |