Chlamydia and gonorrhea testing results without using a training data set (Section 5.2). The group sizes are given on the left for each of the 10 implementations, and $S_e$ and $S_p$ values are given as insets within each plot.

**Chlamydia**

- **Urine Female**
  - $S_e=0.805$, $S_p=0.96$

- **Swab Female**
  - $S_e=0.928$, $S_p=0.96$

- **Urine Male**
  - $S_e=0.930$, $S_p=0.95$

- **Swab Male**
  - $S_e=0.925$, $S_p=0.95$

**Gonorrhea**

- **Urine Female**
  - $S_e=0.849$, $S_p=0.98$

- **Swab Female**
  - $S_e=0.966$, $S_p=0.98$

- **Urine Male**
  - $S_e=0.970$, $S_p=0.96$

- **Swab Male**
  - $S_e=0.985$, $S_p=0.96$