

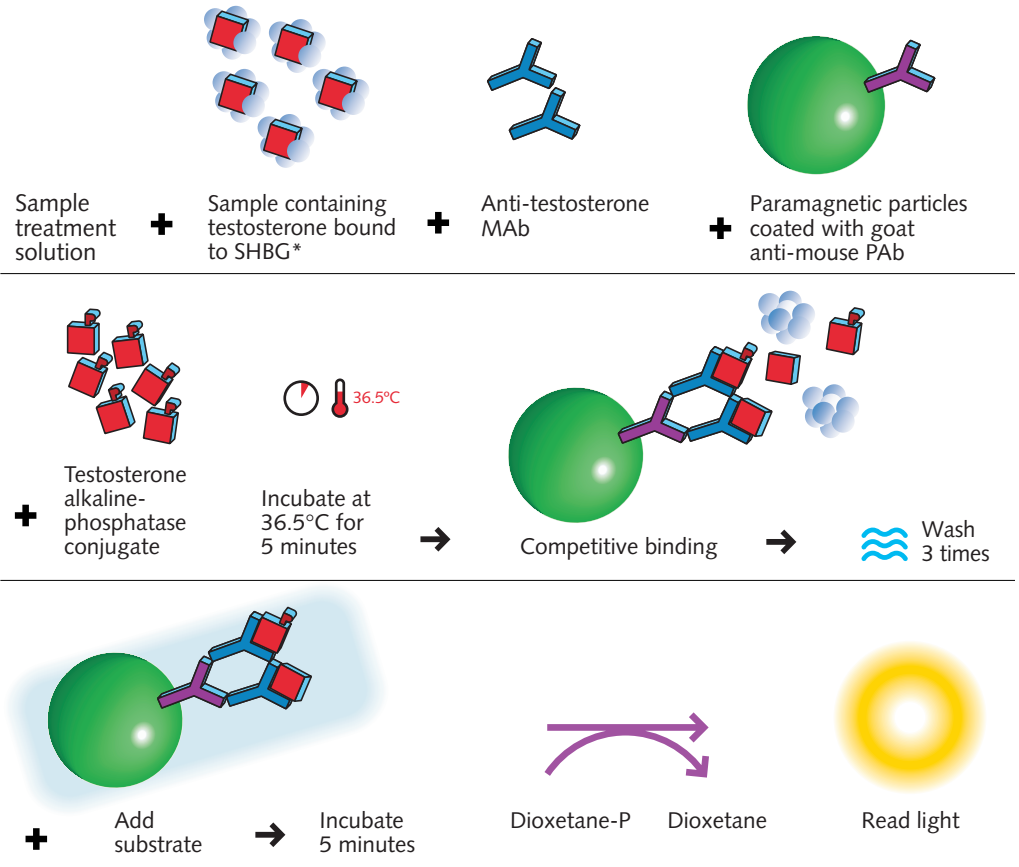


**Access**  
Reproductive

# Testosterone

- Time to first result: 16 minutes
- Calibration stability: 14 days
- Analytical sensitivity: 0.1 ng/mL
- Dynamic range: 0.1 - 16.0 ng/mL

## 1 step competitive binding technique



**Signal produced is inversely proportional to the testosterone concentration in the sample.**

\*Sex hormone binding globulin



# Testosterone

## Performance

**Precision** – The assay is designed to exhibit less than 20% imprecision at 0.5 ng/mL and less than 10% imprecision at higher concentrations of testosterone. One precision study, using frozen human serum samples, was run twice a day for ten days. For each run, samples were tested in duplicate, providing 40 data points analyzed by analysis of variance (ANOVA).

| Sample | Grand Mean<br>n = 40<br>(ng/mL) | Within Run<br>(%CV) | Between Run<br>(%CV) | Total<br>Imprecision<br>(%CV) |
|--------|---------------------------------|---------------------|----------------------|-------------------------------|
| 1      | 0.35                            | 3.93                | 7.08                 | 8.10                          |
| 2      | 0.83                            | 2.89                | 4.51                 | 5.36                          |
| 3      | 2.25                            | 1.67                | 4.78                 | 5.07                          |
| 4      | 5.38                            | 1.99                | 4.22                 | 4.67                          |
| 5      | 8.31                            | 2.14                | 4.91                 | 5.36                          |
| *6*    | 12.88                           | 2.71                | 5.65                 | 6.26                          |

\*Serum sample spiked with testosterone

## Characteristics

|                               |  |
|-------------------------------|--|
| Sample Type/Size              | Serum or plasma (Li or Na heparin)/20 µL |
| Time to 1st Result            | 16 minutes                               |
| Analytical Sensitivity        | 0.1 ng/mL                                |
| Approximate Calibrator Levels | 0, 0.5, 1.5, 4.0, 8.0 and 16.0 ng/mL     |
| Open Pack Stability           | 28 days                                  |
| Calibration Stability         | 14 days                                  |

## Ordering Information

|   |       |
|---|-------|
| Access® Testosterone – 2 packs of 50 tests/pack           | 33560 |
| Access® Testosterone Calibrators – 6 vials of 2.5 mL/vial | 33565 |



Africa/Middle East/Eastern Europe: Switzerland, Nyon (41) 22 994 0707. Australia, Gladesville (61) 2 9844 6000. Canada, Mississauga (1) 905 819 1234. China, Beijing (86) 10 6515 6028. Hong Kong (852) 2814 7431, 2814 0481. France, Villepinte (33) 1 49 90 90 00. Germany, Krefeld (49) 2151 33 35. Italy, Milan (39) 02 953921. Japan, Tokyo (81) 3 5404 8424. Latin America (1) (305) 380 4709. Mexico, Mexico City (525) 575 6805. Netherlands, Mijdrecht (31) 297 230630. Singapore (65) 339 3633. South Africa, Johannesburg (27) 11 805 2014. Sweden, Bromma (46) 8 98 53 20. Switzerland, Nyon 0800 850 810. Taiwan, Taipei (886) 2 2378 3456. UK, High Wycombe (44) 01494 441181. USA, Brea, CA (1) 800 352 3433, (1) 714 993 5321.