

**Measurement of testosterone in seminal
plasma, saliva and serum by solid-phase
enzyme immunoassay**

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摘要

Abstract

When testosterone concentrations in serum, saliva and seminal plasma were measured with a solid-phase enzymeimmunoassay in which antitestosterone antibody was bound to CNBr-Sepharose-4B, we found the ratios of testosterone in saliva and seminal plasma to that in serum were $2.5 \pm 0.2\%$ and $5.19 \pm 0.42\%$. Testosterone level in saliva could be an index of free serum testosterone. In addition, we found a correlation between sperm motility and testosterone level in seminal plasma when sperm motility was measured with a transmembrane migration method. This enzymeimmunoassay could be applied to clinical studies of testosterone.