



CitricScreen[®]

Photometric Method for Detecting Citric Acid in Seminal Plasma

Features

- 3-component kit
- 1-step sample preparation
- 1-step immediate result
- colorimetric result
- citric acid control included
- 96 determinations per kit

Background

Citric acid is produced by the prostate gland and is found in seminal plasma. The determination of citric acid concentration in seminal fluid therefore provides information about the secretory function of the prostate. Low levels of citric acid have been found in men with genital tract inflammation. The evaluation of prostatic function may reveal instances of sub-clinical prostatitis which may decrease male fertility as well as expose the female partner to infection.

FructoScreen[®]

Photometric Method for Detecting Fructose in Seminal Plasma

Features

- 5-component kit
- 1-step sample preparation
- 1-step 30-minute incubation
- colorimetric result
- fructose control included
- 96 determinations per kit

Background

Fructose is the major energy source for ejaculated spermatozoa. It is produced almost entirely in the seminal vesicles and is found in seminal plasma. The determination of fructose concentration in seminal plasma therefore can provide information about the secretory function of the seminal vesicles. It is especially important to test for fructose if there are no sperm present, that is, if the semen is azoospermic. The seminal vesicles are responsive to levels of circulating testosterone.

Seminal fructose is low in patients with low androgen levels and/or with congenital absence of the vas deferens and/or seminal vesicles or possible blockage of the vas deferens.

Order Codes

BS-CITRIC CitricScreen, a Photometric Method for Detecting Citric Acid in Seminal Plasma
BS-FRUCTO FructoScreen, a Photometric Method for Detecting Fructose in Seminal Plasma