FERTILITY CONTROL SET

Control solutions for determination of biochemistry parameters in sperm

INTENDED USE

Solutions with 3 different concentrations to use for control of Fructose, Citric acid and Zinc determination in sperm.
Concentrations and activities of components are studied for an excellent use even in automatic system of clinical chemistry, even in manual procedures.
The concentrations are lot specific. Values and ranges are listed in the enclosed values sheet.

CLINICAL MEANING

Fructose and Citric Acid are the most important chemical components in sperm.
Fructose is product to seminal vesicles, and Citric Acid from prostate.
The prostate is also responsible for the level of zinc, considered necessary for spermatogenesis and therefore essential for the formation of sperm.

We report the values considered for referral, even if there is not a perfect agreement on normal levels of these substances:

Fructose	200 – 500 mg/dl
Citric acid	350 – 670 mg/dl
Zinc	200 – 350 μg/ml

PRESERVATION AND STABILITY

Preserve the product at 2-8°C, stable until expiration date on the package.
Once opened controls are stable for 7 days at 2-8°C.

MATERIALS REQUIRED BUT NOT SUPPLIED

Kit for Fructose determination in sperm **COD. FK00100** - Kit for Zinc determination in sperm **COD. FK00200** - Kit for Citric acid determination in sperm **COD. FK00250**. Normal laboratory equipment.
UV/VIS Spectrophotometer with thermostat. Distilled water.

REAGENTS PREPARATIONS

Controls are ready to use.
Bring controls at room temperature before use.
Control solutions should be use as samples. If necessary to dilute with sample's diluent.

PRECAUTIONS

- Product contains Sodium Azide 0.095% as preservative.
- Avoid contact with skin and mucous membrane.
- Use the normal precautions for lab behaviour.
- For in vitro use only.

WASTE DISPOSAL

Product is intended for professional laboratories. Waste products must be handled as per relevant security cards and local regulations.

PACKAGING

CODE FK00400

Control level 1	1 x 1 ml	(liquid)
Control level 2	1 x 1 ml	(liquid)
Control level 3	1 x 1 ml	(liquid)

REFERENCES

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MANUFACTURER

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SYMBOLS

IVD	Only for IVD use
LOT	Lot of manufacturing
REF	Code number
	Storage temperature interval
	Expiration date (year – month)
	Warning, read enclosed documents
	Read the directions
	Biological risk

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