



In Vitro Diagnostics

# SemenLeu

## Peroxidase test to detect elevated concentrations of leukocytes.

Elevated concentrations of leukocytes in semen have been associated with genital tract infection, poor semen quality and IVF and embryo transfer failure.

Leukocytes, especially polymorphic polynuclear leucocytes (PML), are present in most human ejaculates. By normal microscopy these cells can be morphologically easily mixed up with multi-nuclear spermatids.

By using hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) peroxidase-positive leukocytes (neutrophils polymorphic granulocytes) can be stained yellow to brown. Other cells (sperm, lymphocytes, monocytes, macrophages and multinucleated spermatids) remain unstained (peroxidase-negative) making the leukocytes easier to identify and count using phase constant microscopy.

- Identifies peroxidase positive leukocytes
- Shelf life of 24 months



# SemenLeu

SemenLeu is a peroxidase test to detect elevated concentrations of leukocytes. With this kit, the seminal fluid is treated with the reagents 1 and 2 in which only peroxidase positive cells remain brown.



Product description	Order code	Unit	Shelf life
SemenLeu Reagenz 1/2	FGYZR103020	1 x 20 ml Reagenz 1 1 ml Reagenz 2	Shelf life is 24 months from time of manufacture if the product is stored at 2-8 °C.

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