

Fiberoptic optic biosensor design

Lets find out whats happening inside human body with this sensor

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Abstract

Detection of changes taking place in our human body with a biosensor.

Electric, magnetic, gravitational forces

- Charge X electric field
- Magnetic field X charge X electric potential(charge difference)
- Of course gravitational force acting downward(Not considered in further simulations)

Dielectrophoresis

- In this we consider the RBC, WBC, Urine, Pus, Bacteria, Stool
- Movement of the above substances into a place of charged particles in the presence of mostly electric field and negligent charge difference or magnetic field.
- Magnetic field can also be imbued in our sensor in further simulations

FiberOptic optic Biosensor

- Can detect changes in body for infinitesimal difference of time
- Signals travel faster than speed of light and nanosecond time lag in detecting in heart, brain, intestines, kidneys, liver, etc.

Conclusion:

We will try to design and simulate a bio sensor for this purpose.