

Special Electromagnetic Radiation Protection Clothing

CLOTHING CHARACTERISTICS

- Shielding rate :
 - > 99% on high, mid & low frequency radiation (i.e. UV, X-Ray, microwave)
 - Attenuation : 30 – 60 dB
- Material is soft and has good breathability
- Anti-static
- Bacteria resistant

TEST REPORTS

- SIMT Shielding Test Report : SIMT 2009F33-60-000325

STYLES AVAILABLE :

- Personal Protection Clothes for Electrical technicians, Lab technicians, Military personnel, Doctors, Nurses.
- We also have maternity clothing to shield foetus from EMF.

SPECIAL REMARKS :

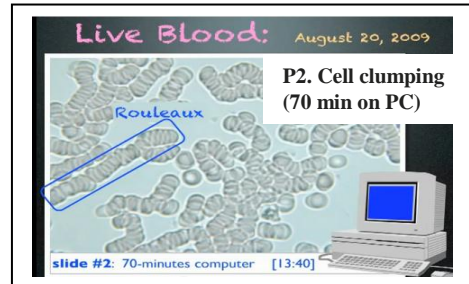
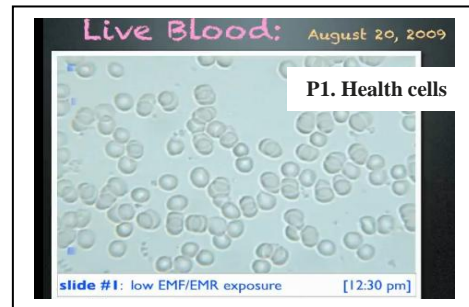
- We can also tailor make uniforms to your requirements.



INTRODUCTION

Electrical / electronic systems emit Electromagnetic Magnetic Radiation (EMR). This radiation consists of an Electric Field and a Magnetic Field that is invisible to the naked eye. **Electric fields** are created by differences in voltage, and exist even when there is no current flowing whilst **Magnetic fields** are created when electric current flows.

Electromagnetic fields are generated from natural sources and man-made sources. As a natural source, it is present everywhere in the environment. Electric fields are produced by the local build-up of electric charges in the atmosphere due to thunderstorms. Whereas magnetic fields is believed to be generated deep down in Earth's core. Man-made EMR on the other hand are generated from various sources and at levels much higher than natural sources.



P3. Severe cell clumping (10 min – DECT phone)

Uncontrolled Electromagnetic radiation can affect our health and also our ability to learn. Unfortunately, our job may require us to work near electrical / electronic equipment that emit strong electromagnetic radiation (EMR). Some of the known side effects of over exposure to EMR are **Rouleaux** (blood clumping), headaches and fatigue. Rouleaux cause poor circulation as clumped blood cells can't move through the tiny blood vessels in our body (**see P3**). Poor blood circulation means that oxygen delivery is compromised. Research shows that EMR cause changes at the cellular level; i.e. generation of free radicals & reduced removal of toxins from cells. Experts also believe that low frequency EMR can contribute to ADD and ADHD in children.

BENEFIT of Personal Protective Clothing

The “shielding” effects of Personal Protective Clothing reduce exposure to cumulative effects of EMR.

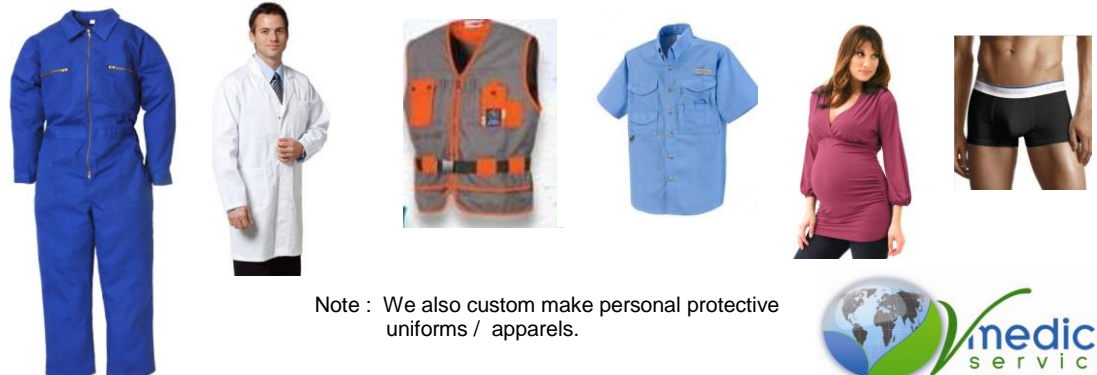
THE TECHNOLOGY

The state of the art technology involves weaving metal fibres and combining it with metal ion coating to make a material that can shield against non-ionizing radiation. It has a shielding capability >99.9% and a decay rate between 30 dB and 60 dB. The material is soft, comfortable, anti-static, bacteria resistant and promotes good blood circulation.

CARE FOR CLOTHING

Washing Tips : Dry clean or hand wash only, no bleaching, do not wring or squeeze material, just hang to dry. Use only medium temperature iron setting.

STYLES AVAILABLE



Note : We also custom make personal protective uniforms / apparels.

