

# Electromagnetic Compatibility (EMC) testing for medical electrical equipment

## Ensuring patient safety and regulatory compliance

Patient safety is paramount for healthcare professionals as well as medical electrical equipment and IVD manufacturers. To ensure this, it is crucial that devices function reliably without interfering from or to other electronic devices. Wherever you are in your development cycle, our Central Drugs Standard Control Organisation (CDSCO) approved, advanced EMC testing facility and highly-skilled engineers help to validate medical electrical and IVD equipment to meet compliance needs.

From initial product design to prototype evaluation and pre-compliance to full-compliance testing, our advanced EMC testing facility ensures your medical electrical equipment meets stringent standards, including IEC / EN 60601-1-2/11/12 (General requirements for EMC), IEC / EN 60601-2-x (Particular standards for specific medical equipment), and IEC / EN 61326-2-6 (EMC requirements for IVD devices).



## Comprehensive EMC testing services

Our range of EMC testing services ensures your medical electrical equipment meet the highest standards of safety and performance:

**Electromagnetic emissions evaluation:** Ensure your medical equipment emit electromagnetic waves within standard limits to prevent interference with other devices.

**Electromagnetic immunity validation:** Verify your equipment's resilience against electromagnetic disturbances.

## What we deliver

### Design quality:

Rigorous evaluation during all stages of product development to identify and address EMC issues at early stage.

### Safety assurance:

Strict adherence to global regulatory requirements, safeguarding patient safety and product integrity.

### Reliable performance:

Testing under real-world conditions, ensuring your equipment performs consistently across various environments.



## Specialised testing for medical equipment

Medical electrical equipment must adhere to rigorous market-specific quality, safety and performance standards. With our services, you can ensure that your medical equipments comply with national and international regulatory standards, including both collateral standards, which cover EMC for all medical devices and particular standards specific to certain devices. We offer a broad range of testing services for Class A, B, C, and D equipment like:

- CT Scan machine
- High-frequency surgical equipment (e.g. X-ray)
- Ventilator
- Short-wave therapy medical equipment
- Health care equipment for household purposes
- Ambulance and professional healthcare devices
- In-vitro diagnostic (IVD) medical equipment
- Battery-operated thermometers
- Infusion pumps
- Pacemaker
- Blood Pressure monitoring
- Haemoglobin meters
- And many other equipments that fall under this class.

## Trusted expertise backed by quality assurance

Our commitment to quality is

- Approved by Central Drugs Standard Control Organisation (CDSCO)
- Accredited by ISO 17025
- Trusted by industry leaders

## Partner with us for reliable results

With decades of experience, global recognition and a dedication to precision, we are your trusted partner for medical electrical equipment testing and securing key certification marks. Get in touch with us today to know more.

### Yadav Measurements Pvt Ltd Laboratories

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