Medical Radiation Detection, Monitoring & Safety Market by Detection Type (Gas-filled, Geiger Muller, Dosimeters, Solid-state Detectors), Products (Personal Dosimeters, OSL, Badges), Safety (Apron, Shields, Face Mask), End User - Forecasts to 2020

Description: Medical Radiation detection and monitoring devices are used to accurately measure the dose of radiation during radiology procedures; while radiation safety products are used for protection against harmful radiations during radiology procedures. The global medical radiation detection market is expected to reach USD 1,234.8 Million by 2020 from USD 876.3 Million in 2015, at a CAGR of 7.1% during the forecast period.

Based on detection type, the medical radiation detection market is segmented into gas-filled detectors, solid-state detectors, and scintillators. Based on product, the medical radiation detection market is segmented into personal dosimeters, area process monitors, environmental radiation monitors, surface contamination monitors, and radioactive material monitors. The medical radiation safety market, by product, is segmented into full-body protection, face protection, hand protection, and others. Based on end user, the medical radiation detection market is segmented into hospitals and non-hospitals.

Geographically, the medical radiation monitoring market is dominated by North America, followed by Europe, Asia-Pacific, and the Rest of the World (RoW). North America is expected to command the largest share of the global medical radiation monitoring market in 2015. However, Asia-Pacific is expected to grow at the highest CAGR during the forecast period.

Major players in this market are Landauer, Inc. (U.S.), Mirion Technologies, Inc. (U.S.), Ludlum Measurements, Inc. (U.S.), Thermo Fisher Scientific (U.S.), Radiation Detection Company, Inc. (U.S.), Biodex Medical Systems, Inc. (U.S.), Arrow-Tech, Inc. (U.S.), Unfors RaySafe AB (Sweden), AmRay Medical (Ireland), and Infab Corporation (U.S.).

Target Audience for this Report:
- Medical Radiation Detection Product Manufacturers and Vendors
- Research Associations Related to Medical Radiation Detection, Monitoring, and Safety
- Hospitals and Non-hospitals
- Various Research and Consulting Firms
- Distributors of Medical Radiation Detection, Monitoring, And Safety Products
- Research Institutes

Scope of the Report:

This research report categorizes the global medical radiation detection market into the following segments:

Medical Radiation Detection Market, by Detection Type
- Gas-filled Detectors
  - Geiger-Muller Counters
  - Ionization Chambers
- Dosimeters
- Radiation Survey Meters
- Proportional Counters
- Scintillators
  - Inorganic Scintillators
  - Organic Scintillators
- Solid-state Detectors
  - Semiconductor Detectors
- Ionizing Radiation Detectors
- Terahertz Radiation Detectors
- Diamond Detectors
Medical Radiation Detection Market, by Product

Personal Dosimeters
- Passive Dosimeters (Non-self-reading Dosimeters)
  -- Optically Stimulated Luminescence (OSL) Dosimeters
  -- Thermoluminescent Dosimeters (TLD)
  -- Film Badges
- Active Dosimeters
  -- Self-reading Pocket Dosimeters
  -- Pocket Electrosopes

Area Process Monitors
Environmental Radiation Monitors
Surface Contamination Monitors
Radioactive Material Monitors

Medical Radiation Safety Market, by Type

Full-body Protection
- Aprons
- Barriers and Shields
Face Protection
- Eyewear
- Face Masks
Hand Protection
- Gloves
- Attenuating Sleeves
Others

Medical Radiation Detection Market, by End User

Hospitals
- Radiology
- Dentistry
- Emergency Care
- Nuclear Medicine
- Radiation Therapy
- Others
Non-hospitals
- Dental Clinics
- Ambulatory Surgical Centers
- Orthopedic Facilities
- Imaging Centers
- Radiation Therapy and Cancer Centers
- Others

Medical Radiation Detection Market, by Region

North America
- U.S.
- Canada
Europe
Asia-Pacific
Rest of the World (RoW)

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