

Global Thermoluminescent Dosimeter Services Market by Type (Calcium fluoride TLD and Lithium fluoride TLD), Industry (Nuclear, Medical, Research institutions, Safety & Security Industries, Health Physics Applications, and Mining), Dosimetry Service (Whole-body X-ray Badges, Extremity Dosimetry, Environmental/Area Dosimetry, and Other services) and Regional Forecasting 2020-2027

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Abstracts

Global Thermoluminescent Dosimeter Services Market was valued at USD 475.3 Million in 2019 and expected to grow with a CAGR 17.1% over the forecast period 2020-2027. Thermoluminescent dosimeters (TLD) are a type of radiation dosimeter that monitors the exposure of ionizing radiation by assessing the intensity of light released, depending on the radiation exposure of radioactive materials, the doses absorbed, the equivalent dose, and other relevant statistics. TDS works on the theory of excitation of the electrons in the crystal. The excited electrons remain trapped in the excited state and, in the end, heating allows them to fall back to the ground state, emitting photon energy in the form of visible light. This technique helps in X-ray, Gamma and Beta radiation moreover, it is mainly worked on quantitative measurement. Rise in preference for radiation-induced cancer treatment and increase in prevalence of cancer drive the market growth of the global Thermo luminescent dosimeter market. For instance, as per International Journal of Medical Science, radiation therapy remains important part in cancer treatment as 50% cancer patient receiving radiation therapy during illness. Furthermore. as per Cancer Epidemiology, Biomarkers& Prevention organization, by 2020, radiation treated cancer survivor is projected to reach 3.38 million. Furthermore, surge in awareness regarding occupational safety significantly contribute toward the

growth of the Thermoluminescent dosimeter (TLD) services market. Despite that, availability of potent alternatives hinder the market growth over the forecasting period 2020-2027.

The regional analysis of the Thermoluminescent Dosimeter Services Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. In which, North America is dominating the market owing to increase R&D investment and new innovations in TDS. However, APAC is fastest growing region over the forecast period 2020-2027 due to increase in awareness of safety & security and rise in government initiatives.

Key Players in Global Thermoluminescent Dosimeter Services Market

IBA Dosimetry

Landauer

Mirion technologies, Inc.

MP biomedical

Netcare limited

Sierra radiation dosimetry service, Inc.

South African bureau of standards (sabs)

Thermo fisher scientific, Inc.

S.E. international Inc.

Hitachi aloka medical ltd. (Hitachi medical corporation)

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Calcium Fluoride TLD

Lithium fluoride TLD

By Industry:

Nuclear

Medical

Research Institutions
Safety & Security Industries
Health Physics Applications
Mining
By Dosimetry Services:
Whole-body X-ray Badges
Extremity Dosimetry
Environmental/Area Dosimetry
Other Services

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Asia Pacific

China

India

Japan

Australia

Latin America

Brazil

Mexico

Rest of LA

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of Global Thermoluminescent Dosimeter Services Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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