In Situ Object Counting System

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In Situ Object Counting System

The In Situ Object Counting System (ISOCS) is a Germanium based gamma-ray spectroscopy system with a built in shielding code that identifies radioactive isotopes and quantitatively assays the radioactive contents of containers, surfaces, and samples. The system is able to simultaneously collect data while performing report calculations real time.

In-Situ Object Counting System - D&D KM-IT

The ISOCS (In Situ Object Counting System) Calibration Software brings a new level of capabilities to gamma sample assay by eliminating the need for traditional calibration sources during the efficiency calibration process. View Product. InSpector™ 2000. DSP Portable Spectroscopy Workstation.

In-Situ Measurements for Radiation Contaminated Materials ...

The ISOCS (In Situ Object Counting System) Calibration Software, which is a part and the heart of the ISOCS-concept, brings a new level of capabilities to gamma sample assay by eliminating the need for traditional calibration sources during the efficiency calibration process.

In Situ Object Counting Systems (ISOCS) » Gammadata ...

In-Situ Object Counting System. The Canberra ISOCS system consists of -An ISOCS characterized Germanium detector with portable cryostat, -A cart support for holding the detector, lead shielding and collimators, -An Inspector portable spectroscopy analyzer, -A portable computer with Genie-PC software, And the ISOXSW in situ calibration software. ISOCS is a Germanium-detector gamma-ray characterization system that can identify specific nuclei, and quantitatively determine the corresponding ...

In-Situ Object Counting System

In situ object counting system (ISOCS™) technique: A cost-effective tool for NDA verification in IAEA Safeguards Abstract: Nuclear material measurements using the ISOCS technique are playing an increasing role in IAEA verification activities. The ISOCS capabilities include: a high sensitivity to the presence of U and Pu; the ability to detect ...

In situ object counting system (ISOCS™) technique: A cost ...

Nuclear material measurements using the ISOCS technique are playing an increasing role in IAEA verification activities. The ISOCS capabilities include: a high sensitivity to the presence of U and Pu; the ability to detect very small amounts of material; and the ability to measure items of different shapes and sizes. In addition, the numerical absolute efficiency calibration of a germanium ...

In situ object counting system (ISOCS™) technique: A cost ...

In Situ Object Counting System (ISOCS) as Applied to Scan Requirements in Support of Final Status Survey at HBPP.

In Situ Object Counting System (ISOCS) as Applied to Scan ...

The In Situ Object Counting System (ISOCS) calibration method offers a solution to this problem. It is a convenient tool for calibrating the detector efficiency for a wide variety of source

geometries and activity distributions.

Validation of in situ object counting system (ISOCS ...

In Situ Gamma Spectroscopy with ISOCS™, an In Situ Object Counting System Typical ISOCS Applications With its “go anywhere, count anything” detector and shield, battery powered electronics, and unique calibration software, ISOCS can be used in a wide variety of in situ assay applications. Here are a few of the more common uses; for a more

In Situ Gamma Spectroscopy with ISOCS, an In Situ Object ...

Read PDF In Situ Object Counting System ray spectroscopy system with a built in shielding code that identifies radioactive isotopes and quantitatively assays the radioactive contents of containers, surfaces, and samples. The system is able to simultaneously collect data while performing report calculations real time. In-Situ Object Counting System - Page 5/27

In Situ Object Counting System

Monitors designed to screen large objects and waste for radioactive contamination. ... In Situ tools for imaging and measurement of contaminated materials and areas, both in place as well as after removal from facilities. ... Suitability for higher count rates - the MILCC system can count drums that have been rejected by other systems that have ...

MILCC™ Systems Mobile ISOCS™ Large Container Counter

It is In Situ Object Counting System. In Situ Object Counting System listed as ISOCS In Situ Object Counting System - How is In Situ Object Counting System abbreviated?

In Situ Object Counting System - How is In Situ Object ...

An In situ Object Counting System (ISOCS) was developed to perform an efficiency calibration based on the Monte Carlo calculation, as an alternative to conventional calibration methods. The purpose of this study is to evaluate the applicability of ISOCS to thyroid radiobioassays by comparison with a conventional thyroid monitoring system.

Assessment of Applicability of Portable HPGe Detector with ...

ISOCS (In Situ Counting Object System) from Canberra is applied in laboratory for creating efficiency calibrations of good quality without using radioactive standards. Besides of typical sample containers used in laboratory, ISOSC system also allows modelling containers and objects of almost any shape and elemental

Application of ISOCS system in the laboratory efficiency ...

In general, a portable high purity Ge (HPGe) detector has been widely used for in situ gamma-ray spectrometry in the environment [1 – 3]. This detector can produce reliable and stable results with the help of theoretical counting efficiency using in situ object counting system (ISOCS) software [2 – 4].

In Situ Gamma-ray Spectrometry Using an LaBr3(Ce ...

The ISOCS calibration method is a convenient tool for calibrating the detector efficiency as a function of energy for a wide variety of source geometries and activity distributions. The ISOCS method consists of a Canberra characterization of the detector, user input of source geometry data, and the ISOCS software which uses these to produce the efficiency calibration. During the ...

Validation of in situ object counting system (ISOCS ...

How is In Situ Object Counting System abbreviated? ISOCS stands for In Situ Object Counting System. ISOCS is defined as In Situ Object Counting System somewhat frequently.

ISOCS - In Situ Object Counting System | AcronymFinder

In cancer/oncology: in situ means that malignant cells are present as a tumor but have not metastasized, or invaded beyond the layer or tissue type where it arose. This can happen anywhere in the body, such as the skin, breast tissue, or lung. For example, a cancer of epithelial origin with such features is called carcinoma in situ, and is defined as not having invaded beyond the basement ...

In situ - Wikipedia

When there is a risk of explosion in production vessels, oxygen sensor accuracy and speed of response are paramount. For a leading producer of performance additives, an in situ O_2 analyzer is providing high performance with almost zero maintenance. Phosphorus pentasulfide is an inorganic compound used in the production of lubricants, pesticides and flotation agents. ... Read moreNo ...