



THE UPDATE

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Hello Autumn!



Dear customers, partners & interested clients,

We hope this newsletter finds you healthy and well. The autumn leaves have started to turn and fall in Germany. We have some important updates to share with you and hope you enjoy reading this edition of The Update.

All our best,

The Dosimetrics Team

DOSIMETRICS
NEWSLETTER

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New Label Printer & Labels Available for "No-ID" BeOSL Partial Body Dosimeter

We are excited to announce, we have finally developed new labels for the "No ID" BeOSL Finger Ring and Eye Lens Dosimeter. These small labels fit perfectly with our "ID-less" Partial Body Dosimeters. The labels are printed from a special printer. The printer is now

available for purchase. There are two additional components needed to use the printer: the labels and thermal ribbons.

The user can also opt to order the labels directly from Dosimetrics. We are also able to configure a specific numbering if this option is requested.

These new labels look very similar to the "traditional" BeOSL Finger Ring and Eye Lens Dosimeter with ID. They contain a number ID and are coded (see the photo on the left for more details).

Interested and want to know more? Send our Sales team an [email](#).



QA Dosimeter Reminder

As a reminder, QA Dosimeters control the reader calibration to ensure the highest quality. We recommend this process is done regularly - in the best way that fits to your processes. QA Dosimeters are available to be purchased or rented via the QA flexKit.

The QA flexKit has a limited shelf life and we want to give a few reminders how to make the most out of its limited shelf life. Firstly, having a lead box for storage can help improve the life of the QA dosimeters. Some important technical information about the QA flexKit includes the following:

Irradiated dose: 4 mGy
Background dose: ~2 μ Gy/day
BeOSL threshold of the maximum background dose: 400 μ Gy (10% of the irradiated dose)
→ $400 \mu\text{Gy} / 2 \mu\text{Gy} = 200 \text{ days}$
(maximum background dose / background dose / day)



QA flexKits are a rental product and have to be returned after nine months past the shipment date. Overdue and unreturned kits will be charged with a late fee. We will send a reminder email when they are required to be shipped back.

Do you need a new QA flexKit? Send our Sales team an [email](#) for a quote.

New! BeOSL Adapter Clip for BeOSL Eye Lens Dosimeter

There is a new Adapter Clip available that pairs perfectly with the BeOSL Eye Lens Dosimeter. The Adapter Clip securely holds the dosimeter with the use of the Mounting Tool. The user places the dosimeter inside the Adapter Clip and uses the Mounting Tool to securely close it inside of the clip.

The Adapter Clip is an excellent option for clamping to an array of radiation protection accessories including a visor, surgical cap, headband, etc.



Want a quote? Send our Sales team an [email](#) for more information.

Featured Customer: Radiation Protection Services (RRPPS), University Hospitals Birmingham NHS Foundation Trust



University Hospitals Birmingham NHS Foundation Trust

In this issue of The Update, we are featuring our new customer from Birmingham, United Kingdom. We had the pleasure to interview the Head of RRPPS and Consultant Clinical Scientist, Anita Jefferies.

What is the history of RRPPS?

The service started as a personal radiation monitoring service to the Queen Elizabeth Hospital in Edgbaston, Birmingham in 1949. Later in 1960, we became known as the Regional Protection Service. As it expanded over the years, we received our current name Regional Radiation Physics & Protective Service (RRPPS) in 1980. Here is brief timeline of what we have been up to since then and what some of future plans are:

1982: The service relocated to purpose built laboratories on the Queen Elizabeth Hospital site and the Instrument Calibration Service was established

1985: The first Ionising Radiations Regulations; Dosimetry Service approved by the Health and Safety Executive

1998: Support for MRI began



This picture was taken at the RRPPS BeOSL installation training in September.

2000: The service was first certificated to ISO standard 9001:2000 (Quality Management), with continued certification ever since, through ISO 9001:2008 and now 9001:2015

2009: Relocated off-site in Kings Norton when the new Queen Elizabeth Hospital Birmingham opened

2009: Personal monitoring service switched from film to TLD

2019: The Dosimetry Service became the first in the UK to be approved to apply a correction factor to eye doses

2021: RRPPS became the first medical sector Affiliated Organisation of the Society for Radiological Protection

2021-22: The Dosimetry Service is currently setting up a new whole-body monitoring service using BeOSL and a new ADS computer system

Could you give us an overview of what RRPPS does?

RRPPS is the Radiation Protection Service within the Imaging and Medical Physics Group of University Hospitals Birmingham NHS Foundation Trust.

RRPPS provides comprehensive Radiation Protection, Medical Physics and Quality Assurance services to NHS facilities, private healthcare, veterinary surgeries, universities, colleges, schools and industry. Our work is divided into seven scientific Process Areas that include the following:

- Approved Dosimetry Service (ADS): HSE-approved personal radiation dosimetry
- Instrument Calibration Service (ICS): Calibration of radiological protection and x-ray quality assurance instruments
- Magnetic Resonance Imaging (MRI): Safety advice, quality assurance and clinical support for MRI

Continued on the next page.

- Non-Ionising Radiation Services (NRS): Safety and quality assurance of lasers, ultrasound and ultraviolet equipment
- Radiation Protection Advice (PAD): Radiation protection, radioactive waste and medical physics expert advice to users of ionising radiation
- Radionuclide Services (RNS): Radiation protection and quality assurance for nuclear medicine departments and other users of radioactive materials
- X-ray Quality Assurance (XQA): Quality assurance of medical radiological equipment

How is the authorization process going for RRPPS to operate your BeOSL System in the UK?

The authorisation process is about to start and we're hoping to be finished by April 2022. It's a complex application covering all of our processes, most of which are being developed in parallel.

What are some of RRPPS' future plans?

As the first UK lab to base a service on BeOSL, we hope to further expand our customer base. We now have a combination of leading edge technology and our responsive, personal customer service. As we are part of the NHS, our security and data protection is very strong. We believe these things will appeal to many UK customers, particularly in the public sector.

Is there any other relevant information that you'd like to share with us and other Dosimetrics users?

Our Dosimetrics equipment has recently been installed and is in the process of being commissioned. At the same time, we are developing a new record-keeping service, specifically to work with the BeOSL Readers and our existing online customer access. With all of these things, we will soon have streamlined processes and, hopefully, a lot less paper!

To learn more about RRPPS, visit their [website](#).

Mirion Connect 2021

Mirion Connect took place September 20th to 24th in Colorado. The event was a dynamic forum for participants to exchange information and ideas on new solutions and technology in the radiation safety, measurement and sciences industry. Here are some of the conference [highlights](#).



Want to see what we are up to?

Follow us!

