CHECK THAT THE TREATMENT IS SAFE

Fast, Accurate and Cost Efficient

DrugLog® *provides a fast and user-friendly way for the pharmacy or hospital personnel to check that the intended IV treatment has the correct content and concentration.*

THE SOLUTION
DrugLog® is a combination of hardware and software that through a patented process can identify the drug being prepared and verify its concentration, prior to patient infusion.

The method reduces the risk of errors in drug management and the associated consequences for patients and clinical personnel (liability).

THE DrugLog® TECHNOLOGY
The core technology is based on absorption spectroscopy in the ultraviolet (UV) and visual spectral range. In order to identify the drug to be tested a broad band spectral analysis of the liquid sample is made and matched against stored reference spectral data for calibrated drugs. Each drug to be compounded at a drug preparation unit shall be calibrated in advance and stored in the system as a reference. In this way generic drugs differences in spectral response can be identified which is used to automatically identify an accurate product. DrugLog® has been tested and verified at hospital pharmacies in Sweden and Switzerland preparing cytostatic drugs as well as insulin, morphine and different antibiotics for treatment of cancer patients.

SYSTEM INTEGRATION
DrugLog® has a built-in computer that can be connected to local networks for integrating with existing patient, treatment, drug prescription records, and other related databases.

The system is connected to internet via the local Wi-Fi network which enables remote service and support by Pharmacolog.

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Pharmacolog
pharmacolog.se

HOW IT WORKS

INSTALLATION

The system is prepared and installed by the Pharmacolog staff. The physical installation is done in a few minutes and includes connection to the local Wi-Fi network. On that occasion your personnel will receive system training in order to efficiently operate the DrugLog system.

CALIBRATION

An individual calibration is needed for every drug the system shall be able to identify. This calibration must – per drug – consist of at least three measured spectra with three various concentrations. More measured data of other concentrations added to the calibration will increase the accuracy of the concentration determination. Your trained administrator will be able to perform the calibration procedure within a few minutes.

DAILY USE

A single 0.5 ml sample is needed for identification and quantification of the drug.

The daily use of the system is intended for quality control of drugs compounded or diluted locally at the hospital pharmacy or medical ward.

A 0.5 ml sample is extracted from the drug volume and inserted into the special cuvette. This is then placed in the cuvette reader of the DrugLog unit.

The operator enters the intended drug and its concentration prior to the analysis.

The system then compares the measured sample to verify that it coincides with the intended drug prescription, i.e. type and concentration.

STATISTICS AND SUPPORT

Data collection for statistics, improved support and product development.

SPECIFICATIONS

Standard Classification:

- IEC 61010-1:2001
- IEC 61326-1:2005
- Relevant parts of FCC Part 15, Subpart B, Class B (Ref Ch 5)

Dimensions	300 (H) x 280 (W) x 330 (L) mm
Weight	4 kg
Power supply	100 - 230 VAC, 50 – 60 Hz
Power consumption	200 W

CE

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