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Shimadzu unveils near-infrared light imaging system to enhance drug discovery research

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For improving the accuracy of safety evaluations of pharmaceuticals

Japan-based Shimadzu has announced the release of the LuminousQuester NI near-infrared imaging system. This system consists of a camera capable of simultaneously imaging near-infrared light and visible light and the dedicated software.

It is designed for nonclinical research applications that supports drug discovery research by combining a highly flexible camera that can be used in a wide range of environments and software with a high degree of usability.

At laboratories of research institutions, university hospitals, and the pharmaceutical industry where fluorescent dyes are used for drug discovery reaserches, near-infrared imaging is needed for applications to observe and verify the distribution and time-lapse changes of drugs within the body.

The LuminousQuester NI imaging system captures near-infrared light that is less interfered with indoor lighting and for this reason imaging can be performed in a wide range of testing environments. Imaging and measurement can be performed on the sample placed on a workbench as is, enabling hands-free observations of the drug behavior while changing conditions such as the quantity of reagent to inject and the amount of light to illuminate.