

Providing Environmentally Friendly Products

As part of its contribution to society through its business activities, Nihon Kohden is committed to reducing our environmental impact by developing environmentally friendly products. We launched 4 new environmentally friendly products in FY2021.

■ MEK-9200, Automated Hematology Analyzer

The MEK-9200 is a medical device equipped with Nihon Kohden's unique technology that stains RNA (ribonucleic acid) remaining in reticulocytes by using a blue semiconductor laser and nucleic acid staining reagent, enabling accurate separation of red blood cells and reticulocytes. It is possible to simultaneously analyze RNA as well as intracellular DNA (deoxyribonucleic acid). Reticulocytes are new red blood cells released from the bone marrow into the peripheral blood and are also used to evaluate anemia in patients. This new product will meet the expectations of worldwide clinics and laboratories, especially those with a high number of tests.



Environmental Considerations

Although the MEK-9200 is 26.6% larger in volume and 15.2% heavier per unit compare to earlier models, the packaging method has been changed from packing the product in two boxes to packing in a single box, resulting in remaining a 10% heavier in the weight of the packaging materials. Lead-free solder was adopted to comply with the RoHS Directive.

■ CNS-2101, Central Monitor

The CNS-2101 is a medical device to simultaneously monitor vital signs such as ECG and blood pressure of multiple patients. Based on the concept of Defensive Monitoring for Patient Care to safely monitor patients, the CNS-2101 was developed. Nihon Kohden aims to improve the quality of medical care and operational efficiency by streamlining access to necessary information for medical professionals and supporting the detection of changes in patient conditions. Data from bedside monitors and transmitters can be linked to diagnostic information systems and holter ECG analyzers as well as clinical information systems. The system also supports improved operational efficiency through networked information sharing, such as transmission of alarm information to nurse call systems and linkage with hospital information systems.



Environmental Considerations

The CNS-2101 is 23.8% smaller and lighter per unit compared to earlier models, contributing to waste reduction. Power consumption was also reduced by 40.0%. It complies with the RoHS II Directive and REACH Regulation.