

IVD packaging technology solutions, 9/13

Multisorb Technologies offers its Quality by Design (QbD)-based Calculations through Operations Program.

Multisorb's scientists use the program to determine the optimized sorbent for the application and to manage placement of that sorbent during packaging operations, when required, with the use of a sorbent-specific dispenser. The program and use of a Multisorb system provide an effective solution for ensuring chemical and physical stability for IVD devices through their desired shelf life.

For complex stability requirements, optimized sorbent solutions are available with IntelliSorb formulations, which offer steady-state or multifunctional control of moisture, oxygen, and volatilized organic compounds, playing the role of environmental manager within the device packaging. IntelliSorb formulations are available in drop-in (packets and canisters), fit-in (compressed solid forms that fit securely into an existing space in the device), and built-in (thermoformed device components with sorbent incorporated into the material, called PolySorb components) formats.

Multisorb also offers its APA-500 and APA-1000 sorbent dispensers, which are a few of the options available as the dispenser component of the StripPax system and StabilOx system.

The semiautomated APA-500 is popular among IVD device manufacturers. The semiautomated APA-500 StripPax/StabilOx packet dispenser is ideal for manual kit building, particularly for drug-coated medical devices or complex diagnostic kits with multiple components. It is valuable in hand-packing operations, laboratory operations, and scale-up operations.

The APA-1000 StripPax/StabilOx packet dispenser is effective for fully automated dispensing. The APA-1000 dispenses up to 145 packets per minute and is easily interfaced to a variety of packaging lines, including direct drop interfaces, bottling, thermoforming, VFFS, HFFS, and flow-wrapping machinery.

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