

VOL. 24 NO. 6

SEPTEMBER 2024

SINGOTA
SOLUTIONS IN
SPECIAL COVER
FEATURE:



INJECTION DEVICES

DRUG DEVELOPMENT AND DELIVERY

SPECIAL FEATURE - Injection Devices: From Pens & Autoinjectors to Pills, Sprays & Capsules, Injections Become More Efficient

Singota Solutions: Aseptic Manufacturing Tailored to Client Needs

There are several factors driving growth in the injectable delivery business sector. Many of today's common diseases require injection of the therapeutic to avoid complications of the effects of the digestion system on the drug's therapeutic effects. New infectious diseases such as COVID-19 will require injectable vaccines.

Autoinjector technology offers many advantages. Self-injection via autoinjectors allows for improved dose accuracy and reduced cost of administration. Design features provide benefits such as prevention of accidental activation, reduced needle stick accidents, and visual or audible indicators of dosage success. Autoinjectors are now being designed with mobile app connectivity that keeps track of dosing frequency and even providing reminders to patients to take their medication.

CDMOs can play an important part in the development of an autoinjector/therapeutic product. The formulation and fill-finish processes need to be compatible with the design of the autoinjector. Material compatibility, container closure integrity, and product stability considerations are all necessary in moving a product through the development phases.

Singota Solutions is a CDMO dedicated to overcoming obstacles in the drug development pipeline. "Specializing in small-batch aseptic filling, aseptic manufacturing solutions, and injectable formulation development, Singota offers comprehensive services designed to expedite the progression of clients' products toward clinical trials," says Will Powers, Senior Director of Business Development & Marketing for Singota Solutions. "Our GMP-compliant warehousing and 3PL operations ensure the integrity and safety of pharmaceutical products, including those requiring cold-chain pharmaceutical storage."

