



# Vented SEVA Convenience Kit by IntraVena

**IntraVena's cost-effective products offer improved safety and convenience in facilities where hazardous drugs are prepared and administered.**

**CEO:** Gale H. Thorne, Jr.  
**Founded:** 2007  
**Employees:** <10  
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## Company Background

IntraVena, LLC ("IntraVena") was founded in 2007 by Gale H. Thorne Jr. and Gale H. Thorne Sr. IntraVena focused primarily in the area of hazardous drug safety. In 2008, IntraVena launched its first product called Sequence SDS. Sequence SDS proved useful when delivering BCG for the treatment of bladder cancer by delivering a saline flush behind the injection of the BCG solution.

In Q4 2010, IntraVena launched Vented SEVA, SEVA Direct and SEVA Direct with Texium. SEVA is an acronym for Safety Enclosed Vial Adapter. SEVA is designed to minimize or eliminate accidental exposures to hazardous drugs. SEVA's unique and simple approach helps prevent accidental exposure from a number of sources that are not addressed by any other known product on the market. These include:

- 1.) Residual hazardous drug found on vial exteriors
- 2.) Vapors released during use and disposal
- 3.) Vial breakage

SEVA is part of IntraVena's overall program for Arrival to Disposal safety. In third quarter 2011, IntraVena introduced an exciting new integral tethered alcohol swab feature that provides easier, more efficient product use.

## Product Overview

Studies indicate a widespread occurrence of hazardous drug residue on the exterior surface of vials, and the mere act of spiking a vial can release hazardous drug aerosols outside the vial. To address these and other common hazardous drug transfer issues, IntraVena developed SEVA convenience kits.

Vented SEVA is a low cost solution for closed system hazardous drug transfer. Each Vented SEVA convenience kit provides an enclosed vial adapter with tethered alcohol swab inside a medical grade, 4 mil, transparent, polyethylene bag. SEVA creates a barrier against hazardous drug on the exterior of the vial which may spread outside a laminar flow hood via touch contamination. The barrier also helps contain fluid and aerosol from release into a work environment.

The tethered alcohol swab affixed to the vial adapter spike cover, within the SEVA bag, permits easy access to an alcohol swab from the bag

exterior without compromising sterility of bag contents. An easy tug of the tether exposes the swab, thereby reducing steps in vial preparation and handling.

Vented SEVA uses the bag as an air reservoir, permitting high volume gas transfer without a need to exchange air from the exterior environment. With the aid of a vent on the vial spike, diluent may be added to lyophilized powder for easy drug reconstitution. The SEVA bag is clear, permitting clinicians to easily see vial contents and labeling.

## Additional Product Modules

Mini SEVA is a vial adapter for accessing hazardous drug vials requiring needle access. Similar to Vented SEVA, IntraVena's Mini SEVA convenience kit offers a low cost, closed, needle based transfer system for hazardous drug requiring needle access.

SEVA Direct provides transfer of hazardous drug from a vial directly to an IV bag without detaching a syringe from the vial access pathway. IntraVena's SEVA Direct convenience kit offers a low cost, closed system hazardous drug transfer product, which delivers measureable doses of hazardous drug directly from a vial to an IV bag. SEVA Direct is even more cost effective when considering use of SEVA Direct for multi-dose vial applications. Fluids are delivered from the vial to a measuring syringe and there from to the IV bag through an integral stopcock.

## Markets Served

Closed System Hazardous Drug Transfer

## Wholesaler Order Numbers

List Number	Product Name
0105-001	Vented SEVA
0105-006	Vented SEVA w/Tethered Alcohol Swab
0105-002	Vented SEVA w/Tethered Alcohol Swab and Texium®
0107-001	Mini SEVA w/ Tethered Alcohol Swab
0107-002	Mini SEVA w/ Tethered Alcohol Swab plus Texium®
0106-007	SEVA Direct Basic w/ Tethered Alcohol Swab
0106-001	SEVA Direct w/ Texium® w/ Tethered Alcohol Swab

## Ordering Information

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