

Using ALZET Osmotic Pumps to Deliver Multiple Agents

The inner drug chamber of an ALZET Osmotic Pump is not compartmentalized to support the separate loading of multiple agents. However, you can load and deliver multiple agents when they are combined as a single homogenous solution. Things to consider when delivering multiple drugs with a single ALZET pump are:

- Drugs should not have adverse reactions when combined (both within the pump and from a pharmacodynamic perspective).
- Drugs should be able to remain soluble, and stable at 37 C for the duration of the infusion.

To deliver multiple agents in an alternating pattern or at predetermined times; see our pulsatile delivery technical tip. This procedure involves using a catheter as an external reservoir, allowing for the programmed delivery of multiple agents or single agents of varying concentrations. See more here: <http://www.alzet.com/products/TechnicalTips.php#PULS>