

Neofuser Onco, an elastomeric infusion pump for oncology

S&S Med, founded in 2012 is a South Korean medical device manufacturing company providing patients with the best treatment experience.

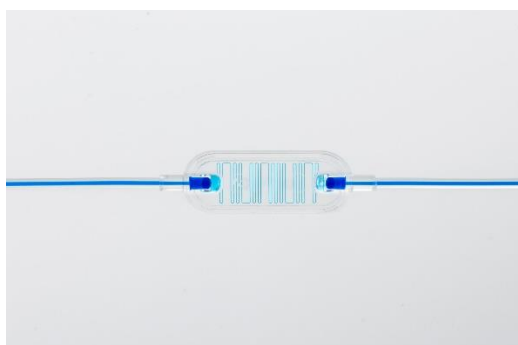
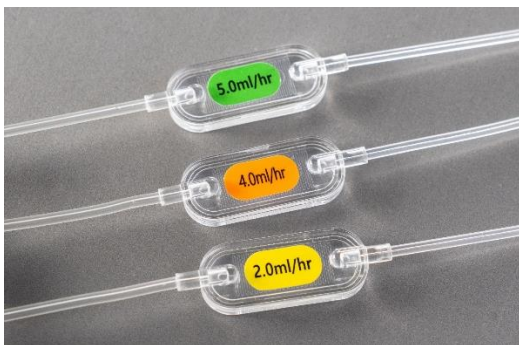
Only S&S MED possesses this patented micro channel technology worldwide.

■ Introducing Innovative Neofuser Onco, an elastomeric infusion pump for oncology applications.

- Neofuser Onco is designed for the infusion of 5-Fluorouracil, Trabectedin, and other oncology drugs, ensuring precise delivery.
- It incorporates a microfluidic chip technology with a flow limiter specifically developed for 5-fluorouracil infusion, enhancing control.

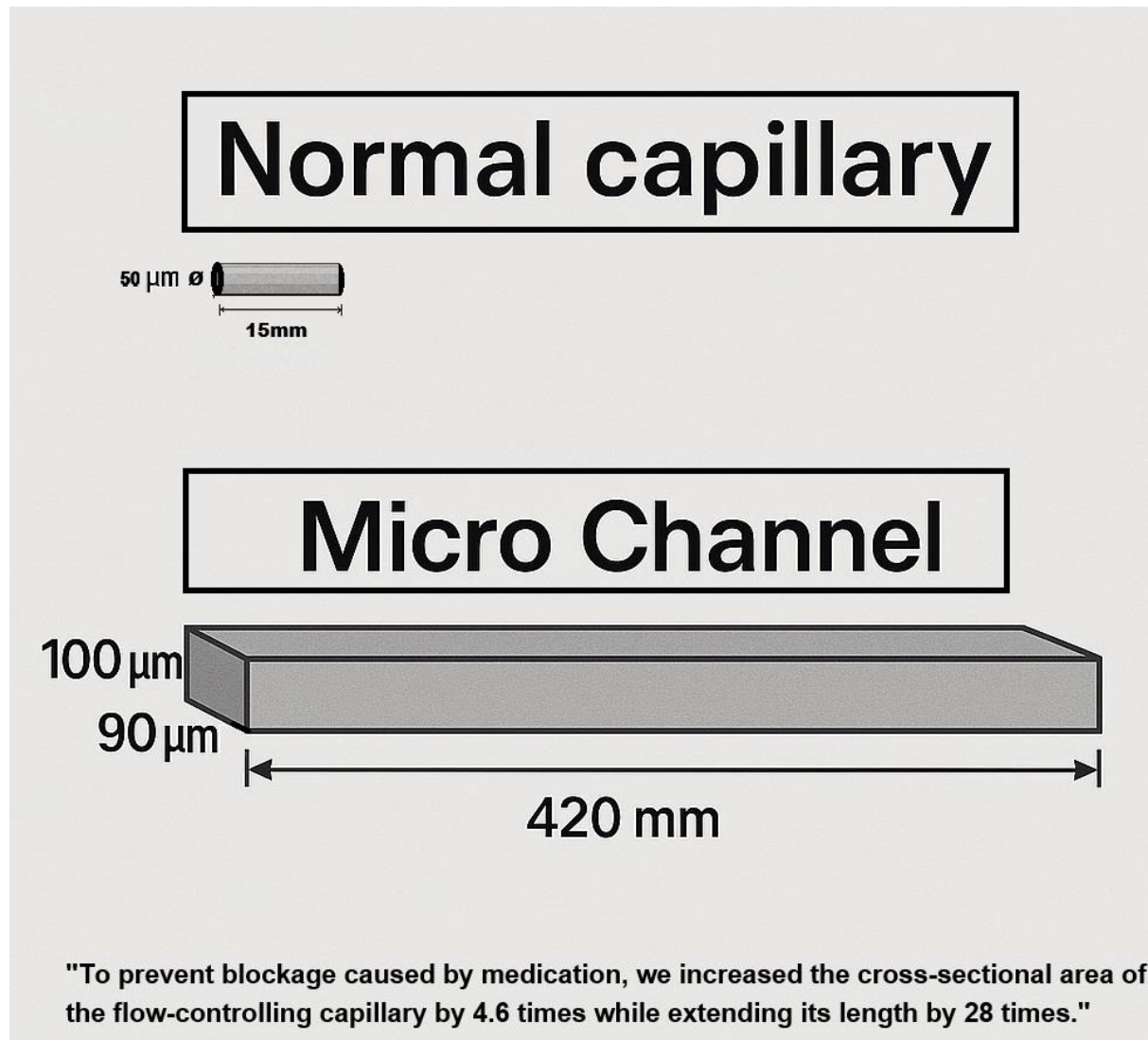


- The wide-channel flow regulator, tailored for 5-Fluorouracil infusions, maintains high flow accuracy crucial for effective treatment.
- Its wide channels enable smooth, uninterrupted flow, eliminating delays caused by fine crystal precipitations of 5-Fluorouracil.

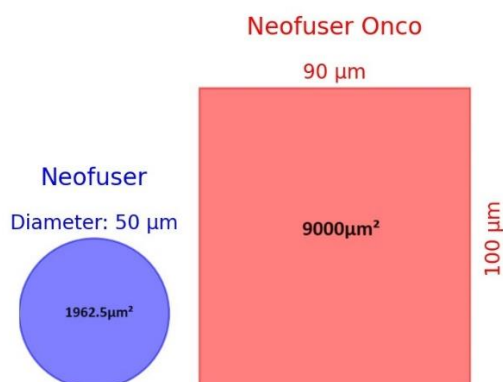


- UV protection is integrated to safeguard the medication's potency and stability throughout the infusion process.

- The cross-sectional area of the microfluidic channel in the L50-O is about **4.6 times larger** than the L50 50µm capillary, preventing blockages caused by drug crystallization.



The cross-sectional area comparison of two models



■ The length of the normal capillary is 15 mm, and the length of the microchannel is 420 mm.

The flow rate increases as the cross-sectional area of the tube becomes larger and the length becomes shorter. To adjust the flow rate, the cross-sectional area is increased by approximately 4.6 times, while the length is extended by about 23 times.

■ Neofuser's Key features

- Precision in infusion timing
- Durable hard reservoir
- Scale indicator printed on case
- Guided balloon for controlled inflation
- UV protection to maintain medication
- Particle filter included
- Bag available as an accessory

■ Neofuser Onco specification

- Volume(ml) : 60ml(S), 100ml(M), 180ml(R), 275ml(L).
- Fixed flow rate(ml/hr) : 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 10ml/hr