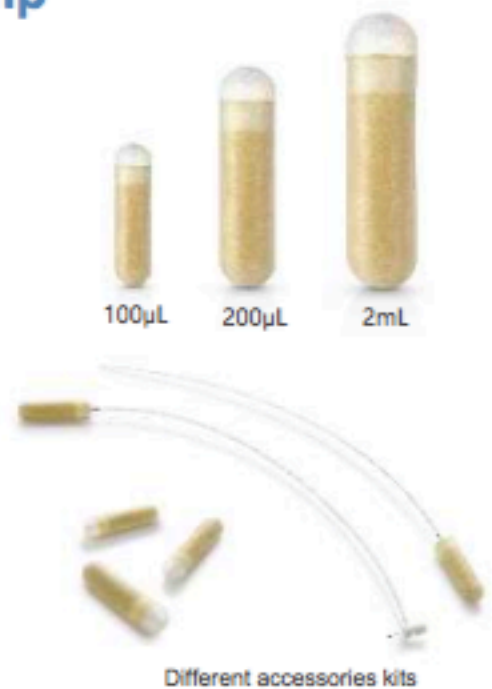


Osmotic Pump

RWD osmotic pump is a precise drug delivery tool. Usually, 3 days, 1 week, and 2 weeks dosing a slow-release pump requires 6-8, 12-24, 24-48 hours of incubation, after which the slow-release pump can administer the drug at a constant rate (within a predictable range). The liquid pump is released until only about 5% of the solution remains in the storage tank, and then the rate drops to zero.

The method RWD uses to estimate the pumping rate of the osmotic pump is to measure the pumping rate of the slow-release pump in 37% (± 0.5 ° C) 0.9% saline in vitro. This in vitro test method has good reproducibility, whether it is the test of the same batch of slow-release pumps or different batches of slow-release pumps at different periods, and is used to estimate the pump's Expected pumping rate. For example, in rats and mice, the deviation of the subcutaneous or intraperitoneal pumping rate of the implanted micro sustained-release pump from the in vitro rate is within 5%.

- Simple, convenient, reliable, low cost.
- No battery, no power supply, no mobile module.
- High repeatability and continuity.
- Minimal side effects on animals and stress interference.

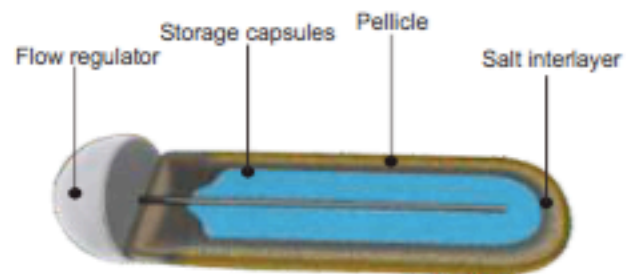


The catheter can be introduced into different sites, such as: the cranial cavity and spinal cord, intravascular, liver, spleen and other organs and trauma.



Features:

- Ensure continuous and uninterrupted administration, maintaining the preset speed for the administration of the animal.
- Storage capsules have good drug compatibility, and protection for short half-life drugs.
- Capsules have good biocompatibility and do not affect the physiology of animals.
- Easy to use, an experiment requires only one administration, no longer need night or weekend experiment.
- Avoid the stress caused by repeated administration, reducing the impact of non-experimental factors on the experimental results.
- Small size, can be applied to experiments on mice, neonatal rats and other small animal.
- Ensure that the drug is delivered to the target site accurately.



Technical Parameters:

Capsule	Drug capacity	100µL				200µL				2mL		
	Type	1003D	1001W	1002W	1004W	2003D	2001W	2002W	2004W	2m11W	2m2W	2m4W
	Duration	3d	1w	2w	4w	3d	1w	2w	4w	1w	2w	4w
	Pumping Rate(µL/hr)	1.0	0.5	0.25	0.11	2.0	1.0	0.5	0.25	10.0	5.0	2.5
Flow regulator	Cap	Without				PE material						
	Draft tube	304 stainless steel material										
Infusion tube	Syringe	Flat head for the injection of liquid										

coming soon