

GentleDispense™

Needle Free Drug Delivery

Increase patient treatment compliance by eliminating injection pain and associated apprehension.

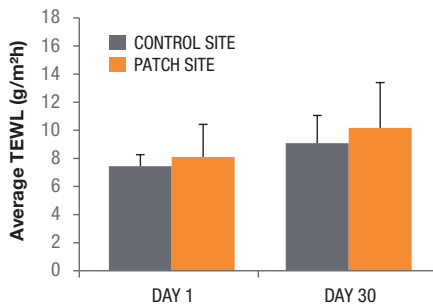


The GentleDispense System uses a low power-activated, needle-free patch for transdermal delivery of large molecule compounds. Designed for flexible use – either plug-in or battery use.

Key Results

- + Delivered Enfuvirtide/T-20 (M.W. 4492 Da).
- + 25 to 30% delivery rate compared to 0% with passive patch.
- + Produced negligible tissue damage in chronic porcine study.
- + The passive patch contained T-20 and was applied long-term (for 12 hours).
- + The active patch was applied (for 30 minutes) over the passive patch to help the drug permeate the skin.

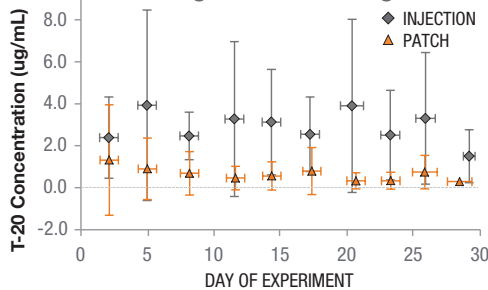
Negligible Skin Damage.



Porcine study with the GentleDispense System 30-day, twice daily saline treatment evaluated skin health via histology and transepidermal water loss (TEWL).

Histology showed little to no inflammation. TEWL values well within healthy range of less than 25 g/m²h.

Successful Delivery of Large Molecule Drug.



30-day porcine study using the GentleDispense System and injection twice daily treatments compared bioavailability between delivery methods for T-20 (M.W. 4492 Da).

Long-term bioavailability (C_{trough}) of T-20 using GentleDispense near clinical levels for T-20 using same dose as injection.

Potential Delivery Uses

- + **Drugs**
- + **Peptides**
- + **Hydration**
- + **Nutrition**
- + **Other compounds too large for passive transport through the skin**

Call us for more info
+1(814) 355-0003 x117

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Pending 510(k), not available for sale within the United States.



Innovative motion + Positive outcomes

CONTACT SALES
+1 (814) 355-0003 x117
info@actuatedmedical.com
www.ActuatedMedical.com



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Pat. ActuatedMedical.com/ip