

Rodent Dose Puller



The Instech RDP automatically fills syringes in rodent oral dosing studies to improve accuracy, increase throughput and reduce fatigue.

More online with
video demonstration

Safe, precise pneumatic grippers
align syringe and pull back plunger

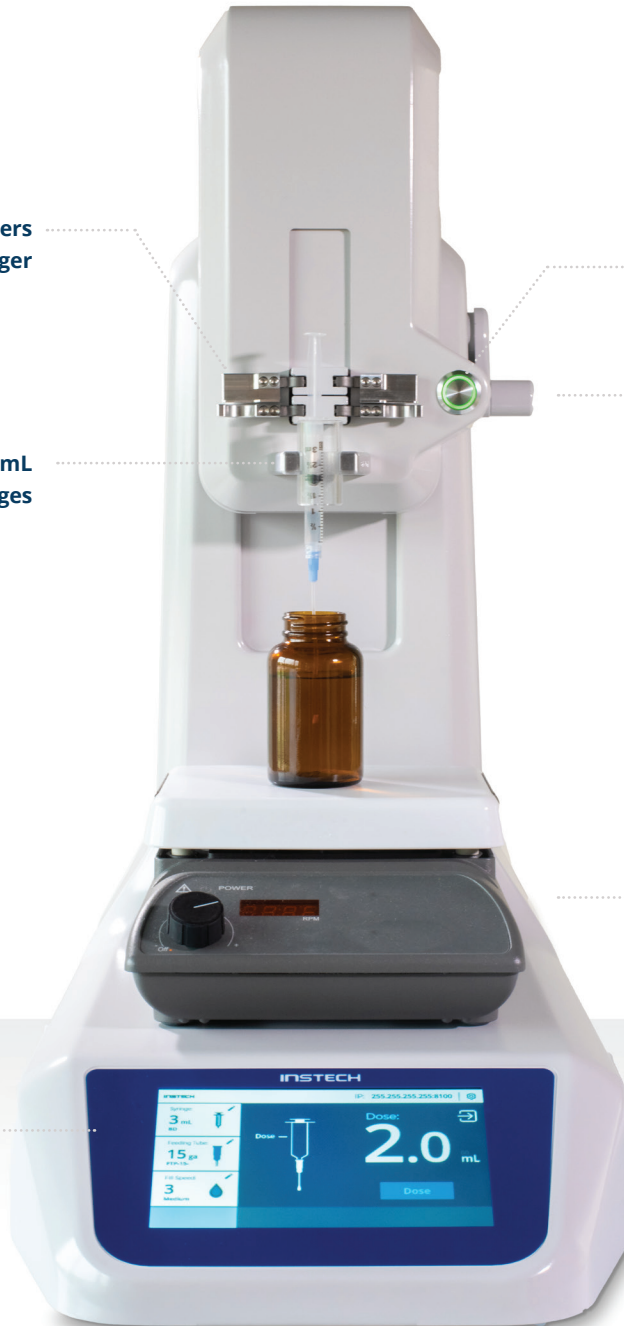
Works with 1mL, 3mL, 5mL, 10mL
and 20mL syringes

Dose confirmation button with
LED status indicator

Easy up, easy down hand crank
adjusts for fluid level and feeding
tubes from 25 to 150mm long

Sturdy base holds standard
stir plate (not included)

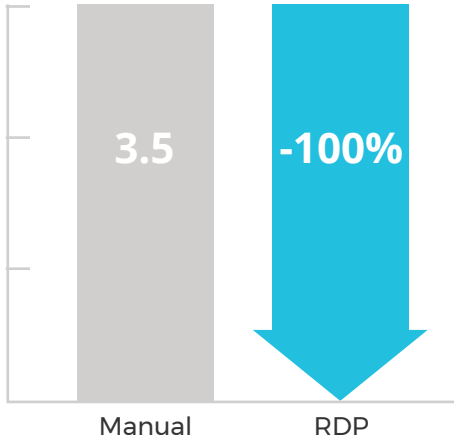
Easy-to-use
touchscreen interface



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FEWER INJURIES

Thumb extension force (lbs)



Source: Nimunkar et al, "Reducing thumb extensor risk in laboratory rat gavage," Applied Ergonomics 58 (2017) 151-155. 5ml syringe with olive oil (p154 SmNm, 15.6N=3.5lbs).

BETTER ACCURACY

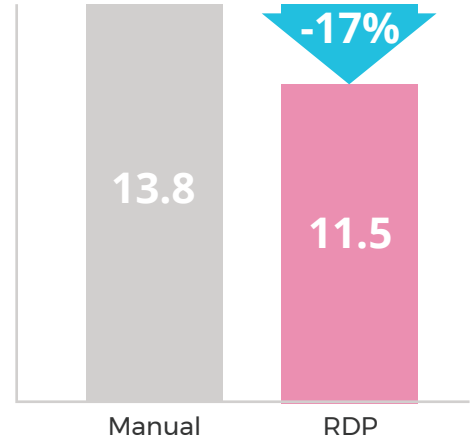
Average dose error (mL)



Source: Instech benchtop tests. Average error (actual dose by weight vs intended dose) over 30 samples with 5ml B-D syringe.

FASTER DOSING

Cycle time (sec)



Source: Simulated dosing study performed by Instech employee Lena Medina RLATG (has 15 years of rodent oral gavage experience).

SPECIFICATIONS

Dose Modes	Manual (enter dose on touchscreen) USB (CSV file of Animal ID, dose) LIMS (direct connection to LIMS sends dose to RDP when animal is scanned)
Compatible LIMS	Xybio Pristima (others in development)
Compatible Syringes	B-D 1mL slip, 1mL LL, 3mL, 5mL, 10mL, 20mL Nipro 5mL, 10mL, 20mL (others may be added on request)
Jar and Stir Plate Max Combined Height	15in (38cm)
Network	WiFi: 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless 1x USB 3.0 port 1x Gigabit ethernet port
Power	110-240 VAC 50/60Hz, 1A
Interface	7in color LED touchscreen
Dimensions	12x22x30in (30x56x76cm)
Weight	34lbs (16kg)



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