

9el 9 9h M



Dosing Kits include capsules, funnel, stand, tamper, dosing device & instructional video

- Ideal for materials that are insoluble, form poor suspensions, are affected by excipients or are odorous and distasteful, e.g., sustained release beads, paint flakes, chromic oxide marker
- For capsule size, species, weight, and lower GI drug delivery size see table below. Capsule holders available for dip coating in enteric solutions. Capsule sinkers available for testing in disintegration test apparatus.
- Size 9 can be used for intra-colonic delivery via rectal insertion in rats >200-250g.
- Save time and money by eliminating validation of suspension / solution homogeneity.
- Eliminate excipients absorption affects.

Fill Materials:

Dry materials in any form (powder, beads, crystals, paint flakes), pastes, and non-aqueous liquids.

Disintegration Time:

Within 10 minutes in stomach.

Lower GI Drug Delivery:

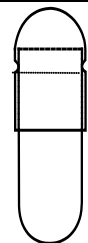
See below.

Dosing Time & Acceptance:

< 1 min. (30 - 45 minutes for 60 rats).

> 98% successful dosing after minimal experience (3 - 4 placebo doses per rat).

Lock Ring prevents accidental spillage*



*Size 9el, 9, 9h

Size	Size 9el	Size 9	Size 9h	Size M
Species & Weight	Rats 200g+	Rats 200gm (min 150g) Guinea Pig 300g+	Hamsters & Rats 150g+	Mice 25g+
Species & Weight Lower GI Delivery	n/a	Rat 200g+ Guinea Pig 300g+	Hamster & Rat 150g+; Guinea Pig 300g+	Mice 30g+
Capsule Body Capacity	0.08 ml	0.025 ml	0.013ml	0.004 ml
Fill Weight (materials with density 1g/ml)	80 mg	25 mg	13mg	4 mg
External Diameter Maximum	2.71 mm	2.71 mm	2.71mm	1.27 mm
Length When Locked Maximum	23.0 mm	8.4 mm	5.1mm	8.4 mm
Surface area locked capsule in mm ² (±3) for enteric coating	Not Applicable	68mm ²	42 mm ²	31mm ²
Weight Empty (Cap & Body) Average [†]	21 mg	10 mg	5mg	~2 mg
Colors Available	Clear & Opaque	Clear & Opaque	Clear & Opaque	White

[†]For a specific net fill weight tare the weight of each capsule body individually and then fill or use a pre-weighed amount of powder for each capsule.

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Practical Guide on Rodent Capsules, Applications, Accessories & How to Dose Instructions

www.torpac.com/rat.htm

Reference: "A Simple Method for Administration of Drugs in Solid Form to Fully Conscious Rats," Lax, E.R., et al, *Laboratory Animals* (1983) 17, 50-54.

Made from 100% Porcine Gelatin

For more information visit <http://www.torpac.com/rodent>








for a 6 page Acrobat file with technical information, "how to" dosing guide, and more.



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Size 9el, 9h & M are Torpac exclusives.

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	Size 9el (US\$) Item Code	Size 9 (US\$) Item Code	Size 9h (US\$) Item Code	Size M (US\$) Item Code
 <p>Capsule Kit -Includes Syringe with Plunger, Funnel with Stand, "How to Dose" Video CD. Size 9 and 9el kits include 100 capsules. Size M kits include 50 capsules.</p>	600.00 (Per kit) X-9el Rat Kit	425.00 (Per kit) X-9 Rat Kit	425.00 (Per kit) X-9h Kit	287.50 (Per kit) X-M Mice Kit
 <p>Capsules - Size 9, 9h & 9el capsules packed in containers of 100. - Size M capsules packed in containers of 50 - Capsules feature Lock-Ring.</p>	450.00 (For 100) A-9el CT	275.00 (For 100) A-9 CT	275.00 (For 100) A-9h CT	137.50 (For 50) A-M CT
For Easier Dosing, we recommend the following aids:				
 <p>Stainless Steel Dosing Syringe - If dosing multiple animals, order additional syringes to allow them to dry between administrations. - Syringes have a Luer lock design.</p>	75.00 X-9el Syringe	75.00 X-9 Syringe	75.00 X-9h Syringe	75.00 X-M Syringe
 <p>Stainless Steel Filling Funnel - Includes funnel, tamper, and stand. - For precision filling on a balance.</p>	75.00 X-9el Funnel	75.00 X-9 Funnel	75.00 X-9h Funnel	75.00 X-M Funnel
 <p>Multiple Capsule Filler - Fill 40 capsules at a time to within ± 7-10% of average weight. - Includes filler, tamper, and spreader.</p>	350.00 X-9el Filler	350.00 X-9 Filler	Not Available	Not Available
 <p>Holder* -Holds six capsules for enteric coating. *Not for use with 9el as it will not pass through to the lower intestine.</p>	Not Available	40.00 X-9 Holder	Under development	40.00 X-M Holder
 <p>Capsule Sinkers - Sinkers allow you to determine the Dissolution time for a single capsule. - See torpac.com/sinkers for sinker dimensions</p>	25.00 X-9el Sinkers	25.00 X-9 Sinkers	25.00 Use X-9 Sinkers	25.00 X-M Sinkers

Payment Terms: Net 30 days for established customers who issue a purchase order. New customers can pay by credit card or wire transfer.

Delivery: Next Day Shipment

Freight Terms: FOB Fairfield, NJ