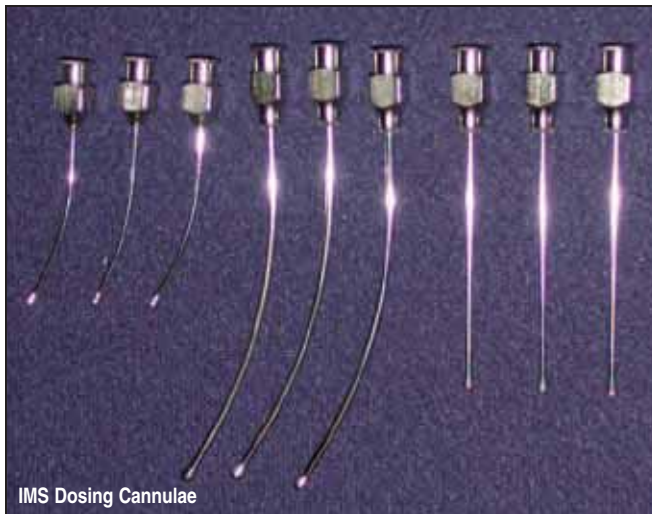


## IMS Dosing Cannulae and Disposable Animal Feeding Needles



### IMS Dosing Cannulae

Suitable for small animals, reptiles and birds, these cannulae are made of stainless steel with a Luer fitting and a bulbous tip. They can be sterilized and re-used.

Order #	Product
PY2 34-0326	Dosing Cannula, 200 mm x 12 ga, Lawton curved, pkg. of 2
PY2 34-0327	Dosing Cannula, 125 mm x 14 ga, Lawton curved, pkg. of 2
PY2 34-0316	Dosing Cannula, 75 mm x 16 ga, Curved, pkg. of 3
PY2 34-0317	Dosing Cannula, 75 mm x 16 ga, Straight, pkg. of 3
PY2 34-0318	Dosing Cannula, 50 mm x 18 ga, Curved, pkg. of 3
PY2 34-0319	Dosing Cannula, 50 mm x 18 ga, Straight, pkg. of 3
PY2 34-0320	Dosing Cannula, 25 mm x 20 ga, Curved, pkg. of 3
PY2 34-0321	Dosing Cannula, 25 mm x 20 ga, Straight, pkg. of 3
PY2 34-0322	Dosing Cannula, 38 mm x 20 ga, Curved, pkg. of 3
PY2 34-0323	Dosing Cannula, 38 mm x 20 ga, Straight, pkg. of 3
PY2 34-0324	Dosing Cannula, 38 mm x 22 ga, Curved, pkg. of 3
PY2 34-0325	Dosing Cannula, 38 mm x 22 ga, Straight, pkg. of 3
PY2 34-1400	Dosing Cannula, 1 of each size, pkg. of 12



### Disposable Animal Feeding Needles

- Sterile, non-toxic, non-pyrogeni

These feeding needles feature plastic luer hubs and silicone tips. Supplied straight, but can be bent to desired shape. Available in three sizes. They are supplied in sterile, Tyvek® peel pouches containing five needles each.

Order #	Gauge	Length
PY2 59-8635	20	38.1 mm (1-1/2 in)
PY2 59-8636	18	50.8 mm (2 in)
PY2 59-8637	15	76.2 mm (3 in)

# Harvard/Instech Solomon Plastic Feeding Tubes



- Flexibility reduces risk of perforation
- Soft rubber tip minimizes trauma
- No labor-intensive cleaning/sterilizing
- Reduced risk of residual compound
- Reduced risk of cross-contamination

Many researchers have converted to the plastic feeding tube for the increased tubing flexibility which reduces trauma and perforation and for the simplicity of a low cost, disposable device. These tubes feature medical grade materials designed to minimize the risk of interactions with test compounds. The tube is constructed of polypropylene which is the same material used in plastic syringes. The soft, bulb-shaped tip is fabricated from elastomer (though virtually none of the tip is in the fluid path). The soft, bulb-shaped tip is designed to obviate inadvertent tube placement in the trachea and to reduce the risk of trauma and perforation.

Instead of using the solvents and glues used by other plastic feeding tubes, the manufacturing process insert molds the luer and the rubber tip directly to the tube. This method, though more costly, improves the bond strength of these connections and assures more consistent quality.

These feeding tubes are available in a variety of diameters and lengths to allow for use in most small laboratory animals. They are supplied in sterile pouches of 5 tubes. 50 pouches are supplied for a total of 250 tubes.

## Specifications\*

Material	Medical-grade polypropylene (Luer and tube), elastomer (tip)	
Tube Sizes	22, 20, 18, 15 and 13 gauge	
Tube OD x ID & color:		
22 ga	0.71 mm x 0.035 mm, black	
20 ga	0.9 mm x 0.5 mm, yellow	
18 ga	1.2 mm x 0.7 mm, pink	
15 ga	1.8 mm x 1.2 mm, blue	
13 ga	2.4 mm x 1.6 mm, purple	

## Applications

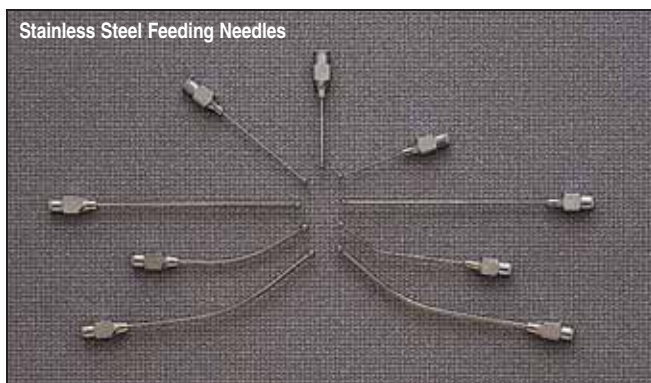
Order #	Mouse	Rat Pup	Rat (100-150g)	Rat (150-200g)	Rat (200-250g)	Rat (250-300g)	Rat (>300g)	Hamster	Guinea Pig	Rabbit
PY2 72-4453	X	X								
PY2 72-4448	X	X								
PY2 72-4449	X	X								
PY2 72-4442			X							
PY2 72-4443				X						
PY2 72-4444					X					
PY2 72-4445					X	X				
PY2 72-4446						X				
PY2 72-4447							X			
PY2 72-4450								X	X	X
PY2 72-4451								X	X	X

Order #	Instech #	Product (pkg. 250)
PY2 72-4453	FTP-22-25	Plastic Feeding Tubes, 22 ga x 25 mm long
PY2 72-4448	FTP-20-30	Plastic Feeding Tubes, 20 ga x 30 mm long
PY2 72-4449	FTP-20-38	Plastic Feeding Tubes, 20 ga x 38 mm long
PY2 72-4442	FTP-18-30	Plastic Feeding Tubes, 18 ga x 30 mm long
PY2 72-4443	FTP-18-38	Plastic Feeding Tubes, 18 ga x 38 mm long
PY2 72-4444	FTP-18-50	Plastic Feeding Tubes, 18 ga x 50 mm long
PY2 72-4445	FTP-18-75	Plastic Feeding Tubes, 18 ga x 75 mm long
PY2 72-4446	FTP-15-78	Plastic Feeding Tubes, 15 ga x 78 mm long
PY2 72-4447	FTP-15-100	Plastic Feeding Tubes, 15 ga x 100 mm long
PY2 72-4450	FTP-13-90	Plastic Feeding Tubes, 13 ga x 90 mm long
PY2 72-4451	FTP-13-150	Plastic Feeding Tubes, 13 ga x 150 mm long

\*



# Stainless Steel Feeding Needles



## Stainless Steel Feeding Needles

- For intubation of mice, rats, guinea pigs, rabbits and other small laboratory animals
- Sterile
- Autoclavable

These precision-crafted stainless steel balls and tubing will not injure sensitive tissues. They are the ideal choice when a single use disposable feeding needle is not required. They are supplied in a package of 12.

### Stainless Steel Feeding Needles, pkg. of 12

					Animal Species/Weight				
Order #	Gauge	Length mm (in)	Ball Diam, Needle mm	Shape	Mice	Rats	Hamsters	Guinea Pigs	Rabbits
PY2 52-4009	24 ga	25.4 (1)	1.25	Straight	00 to 14g	—	—	—	—
PY2 52-4017	22 ga	25.4 (1)	1.25	Straight	15 to 20g	—	—	—	—
PY2 52-4025	22 ga	38.1 (1-1/2)	1.25	Straight	15 to 20g	—	—	—	—
PY2 52-4033	20 ga	25.4 (1)	2.25	Straight	20 to 25g	50 to 75g	—	—	—
PY2 52-4041	20 ga	38.1 (1-1/2)	2.25	Straight	20 to 25g	50 to 75g	—	—	—
PY2 52-4157	20 ga	38.1 (1-1/2)	2.25	Curved	20 to 25g	—	—	—	—
PY2 52-4058	20 ga	76.2 (3)	2.25	Straight	20 to 25g	—	—	—	—
PY2 52-4165	20 ga	76.2 (3)	2.25	Curved	20 to 25g	—	—	—	—
PY2 52-4066	18 ga	25.4 (1)	2.25	Straight	25 to 30g	50 to 75g	—	—	—
PY2 52-4074	18 ga	38.1 (1-1/2)	2.25	Straight	25 to 30g	50 to 75g	—	—	—
PY2 52-4173	18 ga	38.1 (1-1/2)	2.25	Curved	25 to 30g	50 to 75g	—	250 to 300g	—
PY2 52-4082	18 ga	50.8 (2)	2.25	Straight	25 to 30g	—	—	—	—
PY2 52-4181	18 ga	50.8 (2)	2.25	Curved	25 to 30g	100 to 200g	60 to 200g	250 to 300g	—
PY2 52-4090	18 ga	76.2 (3)	2.25	Straight	25 to 30g	100 to 200g	—	—	—
PY2 52-4199	18 ga	76.2 (3)	2.25	Curved	30 to 35g	100 to 200g	—	—	—
PY2 52-4108	18 ga	76.2 (3)	3	Straight	—	100 to 200g	—	—	—
PY2 52-4249	18 ga	50.8 (2)	3	Bent	—	100 to 200g	—	—	—
PY2 52-4116	16 ga	50.8 (2)	3	Straight	—	100 to 200g	—	—	—
PY2 52-4207	16 ga	50.8 (2)	3	Curved	—	100 to 200g	—	—	—
PY2 52-4124	16 ga	76.2 (3)	3	Straight	—	150 to 300g	—	—	—
PY2 52-4215	16 ga	76.2 (3)	3	Curved	—	150 to 300g	—	350 to 450g	1 to 3 kg
PY2 52-4223	16 ga	101.6 (4)	3	Curved	—	150 to 300g	—	350 to 450g	1 to 3 kg
PY2 52-4231	14 ga	76.2 (3)	4	Curved	—	200 to 350g	—	400 to 600g	—
PY2 52-4140	13 ga	76.2 (3)	4	Straight	—	200 to 350g	—	400 to 600g	—

To prevent cross infections and to maximize convenience, keep a supply of needles on hand at least equal to the number of animals under investigation.