Neuroscience Cannulas

For in vivo investigation of rodents

Features

- Exceptional Quality
- Best Prices
- Rapid Order Response

Benefits



Exceptional quality at the best prices.

Applications

- Drug administration
- Optogenetics



Cannula assembly: fixing screw, internal cannula with attached tubing, and guide cannula.



Internal cannula secured with fixing screw.

These cannulas for neuroscience study and pre-clinical research includes an entire range of cannula options, including the Guide Cannula, the Internal Cannula and the Dummy Cannula (cap).

Guide Cannulas



The Guide Cannula is a surgical grade, stainless steel tube that is implanted into a rodent's skull and cemented into place using dental cement and screws. It guides the Internal Cannula to the specific injection

Internal Cannula

↓ 0.7mm	Gauge 22	OD	ID
V 0.7111111	22	0.41	0.26
		0.36	
	26	0.30	0.16

Insert the Internal Cannula into the Guide Cannula to sample or inject fluid.

Dummy Cannula

The Dummy Cannula has a stainless steel wire core, and it is placed in the Guide Cannula when the Internal Cannula is removed. It seals the opening and prevents tissue from entering the

bottom of the Guide Cannula. The Dummy Cannula is threaded to securely tighten it so that the animal will not unscrew it while

grooming. Note that the DUM26 cap is used for the 24g cannulas also.

Ordering

Order the Guide Cannulas based on the gauge and length from the base and the Internal or Dummy Cannulas based on the length of the Guide Cannula and the projection from the Guide Cannula tip.

Understanding Part Numbers

Cannula Type	GC22-37
GC-Guide Cannula INC-Internal Cannula	Cannula Type 才 📝
DUMC -Dummy Cannula	Gauge of Guide Cannula Length of Cannula or Projection

Gauge-Choose the gauge of the Guide Cannula to be used, even if you are ordering an Internal or Dummy Cannula. Choices include 22, 24 and 26 gauge.

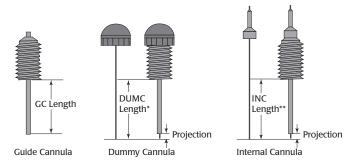
Length–Guide Cannulas can be ordered in lengths from 1.0–9.9 mm. Length can be specified to 0.1 mm, with a tolerance of ±0.07mm. For example, a GC24-60 is a 24ga. cannula that is 6.0 mm long.

For other cannulas, the length is determined by the desired projection length and the guide cannula length. The projection can extend beyond the tip of the Guide Cannula up to 1.0 mm.

DUMC Length = GC Length + Projection

INC Length = GC Length + Projection

For example, for a Dummy Cannula flush with the end of a 26ga Guide Cannula that is 6.0 mm long, order a **DUMC26-60**. For an internal cannula that projects 0.5 mm beyond the 6.0 mm Guide Cannula (6.5 mm), order an INC26-65.



* DUMC Length=GC Lenth + Projection. If the cap is screwed on too tightly, the projection will be longer than expected.

^{**} INC Length=GC Lenth + Projection. Internal cannula mounts flush and does not screw into place

ORDERING INFORMATION		
Cannulas		
GC22-X*	Guide Cannula, 22ga, X.0 mm	
INC22-X*	Internal Cannula, 22ga, X.0 mm	
DUMC22-X*	Dummy Cannula, 22ga, X.0 mm	
GC24-X*	Guide Cannula, 24ga, X.0 mm	
INC24-X*	Internal Cannula, 24ga, X.0 mm	
GC26-X*	Guide Cannula, 26ga, X.0 mm	
INC26-X*	Internal Cannula, 26ga, X.0 mm	
DUMC26-X*	Dummy Cannula, 26ga, X.0 mm	
* Vindicator +	as longth of the consula or projection Coal Industry ding Dart	

^{*} X indicates the length of the cannula or projection. See Understanding Part

Flexible PE Tubing

504281

504278	0.25 mm ID, 0.5 mm OD, 1 m long	
504279	0.42mm ID, 0.85 mm OD, 1 m long	
504280	0.6 mm ID, 1.1 mm OD, 1 m long	
Miscellaneous Accessories		

Flexible PE tubing is recommended to connect to Internal Cannula (INC) only, NOT Guide Cannula (GC) or Dummy Cap (DUMC).

Fixing Screw-connect INC & GC

504278 matches INC26-XX **504279** matches **INC24-XX** 504280 matches INC22-XX