

Radnoti Tissue Chamber and, Preparatory Tissue Bath



Radnoti Tissue Baths for Large Organs or Single Cell Isolation Procedures

- For larger organs, such as adrenal glands, hearts, livers and kidneys
- For isolating cells from such organs

Two types are available, a shallow form and a deep form. The shallow form has a depth of 45 mm (1.8 in) and ID of 95 mm (3.75 in). Two separate prewarming coils deliver solutions to an entry port on the bottom of the chamber and to a Luer lock fitting located two thirds of the way up the Bath interior. The Luer fitting permits attachment of a cannula which is then placed into the organ. The deep form has a depth of 100 mm (3.9 in) and ID of a 95 mm (3.75 in), a single prewarming coil with bubble trap and a Luer lock fitting. Both Tissue Baths feature a bottom drain, an overflow outlet to permit continuous perfusion, a removable aerator and quick disconnect water fittings.

Catalog No.	Product
CGS 8103.73	Deep Form Tissue Bath
CGS 8104.73	Shallow Form Tissue Bath



Radnoti Tissue Chamber with Two Oxygenating Tubes and Teflon Needle Valve

For experiments that require maintenance of high oxygen tension in rapidly respiring tissue or control of non-standard atmospheres, this chamber has two removable aerators. The chamber also has a Luer fitted center drain and quick disconnect water jacket fittings. Fine aeration control is possible using the two oxygenating tubes with teflon needle valves provided.

Specifications

Chamber:	
ID	59 mm
Depth	65 mm
Water-Jacket Wall Thickness	1 cm surrounding chamber

Catalog No.	Product
CGS 8105.73	Tissue Chamber with Two Oxygenating Tubes

Radnoti Tissue Chamber without Oxygenating Tubes

When aeration is not required, this 50 ml chamber can be used to maintain tissue samples or solutions at non-ambient temperatures. The chamber features a center drain and overflow outlets, both with Luer fittings, and quick disconnect water jacket fittings.

Specifications

Chamber:	
ID	59 mm (2.3 in)
Depth	65 mm (2.6 in)

Catalog No.	Product
CGS 8106.73	Tissue Chamber without Two Oxygenating Tubes



Radnoti Preparatory Tissue Bath

The most critical time in isolated tissue experiments is the period starting from the removal of the tissue from its donor to the insertion of the tissue into an organ bath. During this period, the tissue is often exposed to variations in temperature and oxygen at a time when it is also being traumatized by dissection. This can lead to a loss of tissue viability and compromised physiological and pharmacological properties. The bath has been designed to eliminate the variability and tissue damage that occurs during that critical period.

The bath is water-jacketed for stable temperature control and uses quick disconnect fittings. The built-in, side mounted gas dispersion tube provides oxygen to maintain tissue viability. The open low form bath provides a stable, convenient preparatory surface that can be positioned beneath a dissecting microscope. The tissue may be pinned to the bottom of the bath using paraffin or Sylgard coating (applied after tapping the gas dispersion tube closed until the coating hardens). If necessary, the bath may be chilled by the circulation of cold water or an antifreeze solution or placed upon crushed ice. Fully autoclavable.

Specifications

Overall:	
ID	78 to 80 mm (3.07 to 3.14 in)
Depth	18 mm (0.7 in)
Water-Jacket:	
OD	100 mm (3.9 in)
Length	35 mm (1.37 in)

Catalog No.	Product
CGS 8107.73	Preparatory Tissue Bath