

## Thermoluminescence Dosimetry Accessories

### Model TL-758, Vacuum Tweezer System

The system consists of a double-insulated vacuum pump that delivers 355 mmHg vacuum at 125 cubic inches per minute, a bypass pickup probe, inline filter, and five interchangeable pickup tips. The vacuum pump operates on 110 VAC (220 VAC also available). TL dosimeter handling with a vacuum pickup probe is fast, and will not mar, scratch or contaminate crystal surfaces.

### Model TW-108, Teflon Tipped Tweezers

Specially designed for handling TL dosimeters. Made of stainless steel with smooth, wide, teflon coated tips that will not mar, scratch or contaminate crystal surfaces.

### Easy-Transfer Dosimeter Storage Containers

The Easy Transfer Dosimeter Storage Container provides a convenient means of transfer of TL dosimeters to an annealing planchet or irradiation phantom. Each row of spaces is numbered horizontally and vertically, identifying the dosimeter location. A cover with thumb screw fasteners provides spill-proof and dust-proof storage of TL dosimeters.

To transfer TL dosimeters to the planchet or irradiation phantom, line up the numbers, fasten together with screws and turn over. To store dosimeters, the procedure is reversed.

Model	163-013	163-010
Material	acrylic	white polystyrene
Dimensions:	10 x 12 cm	
TLD material:	50 rods	100 ribbons
Numbering across top:	1-10	1-10
Numbering on right side:	11-41	11-91
Matching planchet:	159-000	163-000
Matching phantom:	167-000/005/010	165-000/005/010

### Irradiation Phantoms

Irradiation phantoms are available in polystyrene for insertion in a 25x25 cm polystyrene stack. Plastic Water® and Solid Water® are available for insertion in a 30x30 cm stack. Dosimeter space and numbering patterns are mirror images of corresponding storage containers for convenient transfer of dosimeters.

White Polystyrene	Model:	167-000	165-000
	Dimensions:	25 x 25 cm, 1.43 cm thick	
Plastic Water®	Model:	167-005	165-005
	Dimensions:	30 x 30 cm, 0.5 cm thick	
Solid Water®	Model:	167-010	165-010
	Dimensions:	30 x 30 cm, 0.5 cm thick	
TLD Material:		50 rods	100 ribbons
Numbering across top:		1-10	1-10
Numbering on left side:		11-41	11-91
Matching storage holder:		163-013	163-010
Matching planchets:		159-000	163-000

### Anodized Aluminum Annealing Planchets

The annealing planchets are made of anodized aluminum, measuring 10 x 12 x 0.63 mm; compact enough to fit heating chambers of TL-925/955 Annealing Ovens.

Model 159-000 has 50 machined spaces measuring 3.1 x 3.1 x 8.2 mm to accommodate up to 50 rod dosimeters.

Model 163-000 has 100 machined spaces, 5.4 mm dia., 4.5 mm deep, to accommodate ribbon or disk dosimeters. The dosimeters lie flat, in good thermal contact, allowing rapid heat transfer. Dosimeter space and numbering patterns are mirror images of corresponding storage containers for convenient transfer of dosimeters. An acrylic cover with two thumb screws securely retains dosimeters in their location after cool down.

The vacuum tweezers are especially recommended for placing dosimeters in the planchet. To clean the spaces, use cotton swabs, dry or with methanol.

### Model 164-000, Brass Cooling Plates

The cool down of annealing planchets is greatly accelerated when sandwiched between this set of two brass plates. Each plate measures 15.2 x 15.2 x 2.5 cm, and weighs 11 lbs. This mass provides ample thermal storage capacity and the high thermal conductivity of brass provides fast heat transfer from the planchets. One plate has a large heavy-duty handle attached.

Plastic Water® is a registered trademark of Computerized Imaging Reference Systems, Inc. Solid Water® is a registered trademark of Gammex RMI.

Model	159-000	163-000
Material	anodized aluminum	
Dimensions:	10 x 12 cm, 0.63 cm thick	
TLD material:	50 rods	100 ribbons
Numbering across top:	1-10	1-10
Numbering on right side:	11-41	11-91
Matching planchet:	163-013	163-010
Matching phantom:	167-000/005/010	165-000/005/010

### Model 163-002, Planchet Handle

Stainless steel handle inserts into a heating planchet to provide safe handling of hot planchets when being removed from the annealing oven.