

581A MOD 1

# SLIDE WARMER



## INSTRUCTION MANUAL



### ANIMAL REPRODUCTION SYSTEMS

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## SLIDE WARMER

### PURPOSE

Animal Reproduction Systems 581A MOD 1 *Slide Warmer* is designed to maintain glass slides and other semen evaluation equipment at the appropriate physiological temperature.

### DESCRIPTION

The *Slide Warmer's* Teflon coated heating surface measures 7" x 11" and is recessed to prevent objects from sliding off. The unit features a precision solid state temperature control that maintains the factory calibrated temperature within 0.5°C. The *Slide Warmer* is housed in a durable plastic case with a carrying handle for portability. The hinged lid may be closed when not in use and the detachable power cord stores inside the case.

The *Slide Warmer Kit* is available in a variety of physiological temperature settings to take into account the temperature differences between animal species. (See table below.) All kits include the *Slide Warmer*, user instructions and a detachable power cord. The *Slide Warmer* will operate on any 115 VAC power outlet.

Specie	SLIDE WARMER KIT Part No.	Temperature °C
EQUINE	581A-201 (581A-208*)	37°C
BOAR	581A-205 (581A-206*)	37°C
POULTRY	581A-203 (581A-204*)	32°C
	581A-207 (581A-208*)	41°C

\*(For foreign purchases a 230V model is also available)

### SAFETY PRECAUTIONS

**WARNING:** DO NOT REMOVE THE GROUND PRONG (THIRD PIN) FROM THE POWER CORD, OR USE AN UNGROUNDED ADAPTER! THE SLIDE WARMER REQUIRES A 3-WIRE RECEPTACLE. IF ONE IS NOT AVAILABLE, CONSULT WITH AN ELECTRICIAN FOR INSTALLATION.

**WARNING:** TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT DISASSEMBLE SLIDE WARMER. NO USER SERVICABLE PARTS INSIDE.

### USER INSTRUCTIONS

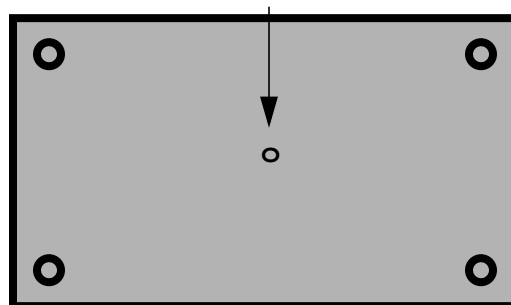
1. Plug in power cord.
2. Turn on POWER switch.
3. Wait at least 10 minutes for *Slide Warmer* to warm up. (Wait 10-20 minutes in colder conditions.)

### TEMPERATURE CALIBRATION

The *Slide Warmer* has been pre-calibrated at the factory and should not need to be adjusted. However, if adjustment to the temperature calibration is desired, proceed with the following steps:

1. Allow 10-20 minutes for the *Slide Warmer* to warm-up.
2. Measure the surface temperature using a digital thermometer equipped with a suitable surface probe.  
NOTE: Placing a standard mercury thermometer on the plate surface is not an accurate method of measuring the temperature of the *Slide Warmer*.
3. Turn the Temperature Adjustment Control, located underneath the *Slide Warmer*, (see diagram) either clockwise (cooler) or counter-clockwise (warmer) using a slotted instrument screwdriver. (0.100 inch wide x 0.020 inch thick blade.

Temperature Adjustment Control



4. Wait a minimum of 3 minutes for the temperature to stabilize.
5. Repeat steps 2 through 4 until the *Slide Warmer* is operating at the desired temperature.

### CLEANING INSTRUCTIONS

**CAUTION:** DO NOT IMMERSE IN WATER!

Use soft cloth with mild detergent. Do not immerse *Slide Warmer* in water or use abrasive cleansers.

*If you are experiencing a problem with the Slide Warmer that is not covered in these instructions, please contact Animal Reproduction Systems in Chino, California for further assistance via telephone at (909) 393-6670 or, via e-mail: arstechsupport@dupreeinc.com.*



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