4.14 Thermometer Calibration

4.14.1 Scope

To accurately calibrate thermometers used in the DNA laboratory.

4.14.2 Background Information

NIST Manual

4.14.3 Operation

4.14.3.1

The report on calibration of the NIST thermometer shows that accurate thermometer readings are at 3 basic temperatures:

Reading	Correction
0.08C	-0.08C
37.00	0.10
56.00	0.15

4.14.3.2

The comparison of these temperatures of the NIST thermometer to a second thermometer will allow for calibration of that second thermometer.

4.14.3.3

Calibration of the thermometers or digital readouts for the instruments will be recorded on designated forms.

4.14.4 Maintenance

4.14.4.1

Store thermometer in the case provided. Maintain the NIST certification information provided when thermometers are purchased.

4.14.4.2

Use caution in prevention of the thermometer mercury from separating.

4.14.4.3

In case of separation of the mercury, refer to the operator manuals for recombination techniques.