

# Lactrol® 530

## Reference solution

**REF** 3LA030 Ten 10 mL ampules of 530 m°H (-512 m°C)

### Intended use:

Lactrol® 530 Reference Solution is intended for use in evaluating the performance of your cryscope. It is a true reference designed specifically for cryscopes, and provides results that approximate the freezing point of milk.

Use Lactrol:

- Daily, prior to testing samples, to verify instrument operation and confirm calibration.
- To strengthen your laboratory's Quality Control program and increase confidence.
- To monitor operator technique, particularly important when several shifts or operators are involved.
- After performing a calibration.

### Ingredients:

The reference material is prepared from salts, and 2-hydroxybiphenyl sodium salt tetrahydrate (0.01%) is added as a preservative. The constituents are adjusted to the levels listed under Expected value.

### Instructions for use:

1. Carefully snap off the top of the ampule.
2. Obtain samples with clean sample tips.

### Storage and handling:

- Dispose of any opened ampules at the end of the testing day.
- Do not freeze.

Storage	Stability
Unopened 2 - 30°C (36-86°F)	Refer to expiration date on the box.

### Limitations:

If there is visible evidence of microbial growth in the ampules, **do not** use the reference material. Erroneous results can occur from adverse shipping and/or storage conditions, use of expired materials, or sample handling errors.

### Expected value:

The expected value and range serve as a guide in evaluating instrument performance.

Expected value	Expected range
530 m°H (-512 m°C)	528-532 m°H (-510 - -514 m°C)

### Interpretation of results:

The expected value is also relative to The calibration of the instrument and the tolerance of the instrument ( $\pm 2$  m°H/m°C). If results fall outside of the expected range, it may indicate unsatisfactory calibration, operator error, contamination of reagents, or faulty performance of the equipment.

### Disposing of materials:

Handle this product according to established good laboratory practices, using appropriate precautions. Dispose materials according to your institution's practices. Discard all materials in a safe and acceptable manner that is in compliance with all country, state and local requirements.



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