



05199590001V4.0

Troponin I CalSet

cobas[®]

REF 05094828 190

→ 4 x 1.0 mL

English

Intended use

Troponin I CalSet is used for calibrating the quantitative Elecsys Troponin I assay on the MODULAR ANALYTICS E170, **cobas e 601** and **cobas e 602** immunoassay analyzers.

Summary

Troponin I CalSet is a lyophilized human serum with added troponin I in two concentration ranges.

The CalSet can be used with all reagent lots.

Reagents - working solutions

- TN-I Cal1: 2 bottles, each for 1.0 mL of calibrator 1
- TN-I Cal2: 2 bottles, each for 1.0 mL of calibrator 2

Troponin I (recombinant, human) in two concentration ranges (approx. 0.4 µg/L or ng/mL and approx. 30 µg/L or ng/mL) in a human serum matrix.

The exact lot-specific calibrator values are encoded in the barcode as well as printed on the enclosed (or electronically available) calibrator barcode sheet.

Calibrator values

Traceability: The Elecsys Troponin I assay has been standardized against a commercially available troponin I assay.

Precautions and warnings

For in vitro diagnostic use.

Exercise the normal precautions required for handling all laboratory reagents.

Disposal of all waste material should be in accordance with local guidelines. Safety data sheet available for professional user on request.

All human material should be considered potentially infectious. All products derived from human blood are prepared exclusively from the blood of donors tested individually and shown to be free from HBsAg and antibodies to HCV and HIV. The testing methods applied were FDA-approved or cleared in compliance with the European Directive 98/79/EC, Annex II, List A.

However, as no testing method can rule out the potential risk of infection with absolute certainty, the material should be handled with the same level of care as a patient specimen. In the event of exposure, the directives of the responsible health authorities should be followed.^{1,2}

Avoid foam formation in all reagents and sample types (specimens, calibrators and controls).

Handling

Carefully dissolve the contents of one bottle by adding exactly 1.0 mL of distilled or deionized water and allow to stand closed for **60 minutes** at 20-25 °C to reconstitute. Mix carefully, avoiding foam formation.

Transfer the reconstituted calibrator immediately into the supplied empty labeled snap-cap bottles.

Unless the entire volume is necessary for calibration on the analyzers, transfer aliquots of the reconstituted calibrators into empty snap-cap bottles (CalSet Vials). Attach the supplied labels to these additional bottles. Store the aliquots immediately at -20 °C.

Allow the thawed/2-8 °C stored bottles to stand closed for **60 minutes** at 20-25 °C and mix carefully before use, avoiding foam formation.

Perform **only one** calibration procedure per aliquot.

Storage and stability

Store at 2-8 °C.

The lyophilized calibrators are stable up to the stated expiration date.

| Stability of the reconstituted/thawed calibrators: | |
|--|-----------------------------|
| at 2-8 °C | 4 days |
| at -20 °C | 3 months (freeze only once) |
| on the analyzers | use only once |
| after thawing | use only once |

Store calibrators **upright** in order to prevent the calibrator solution from adhering to the snap-cap.

Materials provided

- Troponin I CalSet, calibrator barcode sheet, 4 empty labeled snap-cap bottles, 2 x 6 bottle labels

Materials required (but not provided)

- REF 11776576322, CalSet Vials, 2 x 56 empty snap-cap bottles
- MODULAR ANALYTICS E170, **cobas e 601** or **cobas e 602** immunoassay analyzers and Elecsys Troponin I assay reagents.
- Distilled or deionized water

See the assay Method Sheet and the operator's manual for additionally required material.

Assay

Place the reconstituted calibrators (in the system-compatible bottles with barcoded labels) in the sample zone.

Read in all the information necessary for calibrating the assay.

Ensure the calibrators are at 20-25 °C prior to measurement.

References

- 1 Occupational Safety and Health Standards: bloodborne pathogens. (29 CFR Part 1910.1030). Fed. Register.
- 2 Directive 2000/54/EC of the European Parliament and Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work.

For further information, please refer to the appropriate operator's manual for the analyzer concerned, the respective application sheets, the product information and the Method Sheets of all necessary components (if available in your country).

A point (period/stop) is always used in this Method Sheet as the decimal separator to mark the border between the integral and the fractional parts of a decimal numeral. Separators for thousands are not used.

Symbols

Roche Diagnostics uses the following symbols and signs in addition to those listed in the ISO 15223-1 standard.

| | |
|--|---|
| | Contents of kit |
| | Analyzers/Instruments on which reagents can be used |
| | Reagent |
| | Calibrator |
| | Volume after reconstitution or mixing |

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