

New Troponin Assay

Paediatric Information

Information for Clinicians

Pathology Queensland (PQ) is introducing a new highly sensitive cardiac troponin (hs-cTnI) assay to all Queensland Hospital laboratories during 2022. This new assay will replace the existing assay, which will no longer be available.

New assay: Siemens Atellica IM High-Sensitivity Troponin I assay

Why Now?

The instruments PQ currently use to test troponin need replacement. New instruments are being installed and this will mean a change in the troponin assay used in Queensland Health laboratories. The roll out of the assay is occurring in stages across Queensland Hospital and Health Services.

This means for a short time two different troponin assays will be in use at facilities across QH.

Caution should be taken with interhospital transfers.

Different troponin assay results cannot be compared.

New Values

Age and sex-specific cut-points (99th%) for the Siemens Atellica IM High Sensitivity Troponin I assay are as follows:

Elevated values	Female	Male
0 to 6 months	>225ng/L	>225ng/L
6 months to 1 year	>27ng/L	>27ng/L
1 year to 19 years	>11ng/L	>15ng/L
Adult (>19 years)	>34ng/L	>54ng/L

Interpretation of troponin

An elevated troponin value detects myocardial injury, one cause of which is AMI.

More Information

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