

Memorandum

TO: External & Internal Customers

FROM: Michelle Blake, Business Development Manager, and LabPLUS

DATE: 08 October 2019

SUBJECT: Amiodarone Reference Intervals

Dear Customer(s),

On behalf of the Department of Specialist Chemical Pathology (Toxicology and Chromatography) at LabPLUS, we would like to inform you that as of Tuesday 22 October 2019, Amiodarone reference intervals will change. The updated reference interval is based on a literature review and in-house data evaluation.

	Current	New
Amiodarone (umol/L)	1.6 - 3.9	0.8 - 3.9
Desethylamiodarone	N/A	N/A
Comment	"Normally, the amiodarone and metabolite drug concentrations are similar, indicating steady state compliance."	"Routine monitoring of amiodarone level is not required. Dose adjustment should be based primarily on symptoms and side effects. There is no clear therapeutic range established for plasma amiodarone, however, there is no evidence of additional benefit with levels >3.9 umol/L. Levels below 0.8 umol/L suggest possible sub therapeutic dose or limited adherence. Desethylamiodarone (DEA) levels have limited additional value, but in most patients on chronic stable treatment, the DEA level is similar to amiodarone."

If you require any further information, please don't hesitate to contact one of our Chemical Pathologists on chemicalpathologist@adhb.govt.nz.

You can also contact one of Chemical Pathologists via LabLINK at (09) 307 8995 and ask for on-duty chemical pathologist.