

Wednesday, August 27, 2025

Requested by Sheetal Karande

Checked by Dr Sheetal Karande on 01/09/2025
Status: Stable
Action: No Action
Notified: Patient not notified
Type: Pathology

DOUGLAS TONKS
20 GRACE STREET
YARRAVILLE VIC 3013
DOB: 24/01/1972 Gender: M
Medicare Number: 34737166731 IHI Number: DVA Number:
Patient Contact Number: 0479016421

Department: OSL - Outside Lab
Lab: **4Cyte Pathology** Lab Reference Number: **25-82061671-VAP-0**
Principal Result Interpreter:
Requesting Provider: **SHEETAL ASHOK KARANDE** Requested Date: 11/08/2025
Collected Date: 18/08/2025 Reported Date: 27/08/2025
Result Status: C - Corrected
Result Copies To:

Lipid Subfractions

Cholesterol	7.40	mmol/L	(3.90-5.50)	+ - At least one level above normal limit	27/08/2025 10:49
Triglycerides	1.0	mmol/L	(0.5-1.7)		27/08/2025 10:49
VLDL	0.42	mmol/L	(0.16-0.67)		27/08/2025 10:49
Mid C	0.54	mmol/L	(0.23-0.62)		27/08/2025 10:49
Mid B	0.45	mmol/L	(0.13-0.44)	+ - At least one level above normal limit	27/08/2025 10:49
Mid A	0.86	mmol/L	(0.16-0.67)	+ - At least one level above normal limit	27/08/2025 10:49
LDL 1	1.89	mmol/L	(0.00-1.48)	+ - At least one level above normal limit	27/08/2025 10:49
LDL 2	1.35	mmol/L	(0.00-0.78)	+ - At least one level above normal limit	27/08/2025 10:49
LDL 3	0.22	mmol/L	(0.00-0.15)	+ - At least one level above normal limit	27/08/2025 10:49
LDL 4					
Not Detected					
LDL 5					
Not Detected					
LDL 6					
Not Detected					
LDL 7					
Not Detected					
Total LDL	5.32	mmol/L	(1.53-3.32)	+ - At least one level above normal limit	27/08/2025 10:49
Total IDL	1.85	mmol/L	(0.52-1.73)	+ - At least one level above normal limit	27/08/2025 10:49

Total Small Dense LDL	0.22	mmol/L	(0.00-0.15)	+ - At least one level above normal limit	27/08/2025 10:49
HDL	1.66	mmol/L	(1.04-2.67)		27/08/2025 10:49
Number of LDL Peaks	1	(< 2)			27/08/2025 10:49
Mean Size (Research only)	268.7	A	(268.0-400.0)		27/08/2025 10:49
Coronary Risk					
Type A					

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Clinical Notes: nil
Pathologist: A/Prof P. Stewart

Lipid Subfractions (Serum)

| | | | | |
|---------------------------|--------------|---|---------------|--------|
| Cholesterol | 7.40 | H | (3.90-5.50) | mmol/L |
| Triglycerides | 1.0 | | (0.5-1.7) | mmol/L |
| VLDL | 0.42 | | (0.16-0.67) | mmol/L |
| IDL | | | | |
| Mid C | 0.54 | | (0.23-0.62) | mmol/L |
| Mid B | 0.45 | H | (0.13-0.44) | mmol/L |
| Mid A | 0.86 | H | (0.16-0.67) | mmol/L |
| LDL | | | | |
| LDL 1 | 1.89 | H | (0.00-1.48) | mmol/L |
| LDL 2 | 1.35 | H | (0.00-0.78) | mmol/L |
| Small Dense LDL | | | | |
| LDL 3 | 0.22 | H | (0.00-0.15) | mmol/L |
| LDL 4 | Not Detected | | (< 0.01) | mmol/L |
| LDL 5 | Not Detected | | (< 0.01) | mmol/L |
| LDL 6 | Not Detected | | (< 0.01) | mmol/L |
| LDL 7 | Not Detected | | (< 0.01) | mmol/L |
| Total LDL | 5.32 | H | (1.53-3.32) | mmol/L |
| Total IDL | 1.85 | H | (0.52-1.73) | mmol/L |
| Total sd LDL | 0.22 | H | (0.00-0.15) | mmol/L |
| HDL | 1.66 | | (1.04-2.67) | mmol/L |
| No. of LDL Peaks | 1 | | (< 2) | |
| Mean Size (Research only) | 268.7 | | (268.0-400.0) | A |
| Coronary Risk | Type A | | | |

Type A (Normal) profile, based on mean LDL particle size.
Type A carries no additional risk of an adverse cardiac event.
Note: Risk factors other than mean particle size may still require medical intervention.

Tests to follow: All Tests now completed

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Patient Contact Number: 0479016421

Department: CH - Chemistry
Lab: **4Cyte Pathology** Lab Reference Number: **25-82061671-CDG-0**
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Hla Dq2/Dq8

HLA-DQ2.5

DETECTED

HLA-DQ2.2

Not Detected

DQ8

Not Detected

DQA1*05:01

Not Detected

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Clinical Notes: nil
Pathologist: Prof D. Fulcher

Coeliac Genetic Testing: HLA-DQ2/8 (Whole Blood)

| | |
|------------|--------------|
| HLA-DQ2.5 | DETECTED |
| HLA-DQ2.2 | Not Detected |
| DQ8 | Not Detected |
| DQA1*05:01 | Not Detected |

A risk allele for coeliac disease was detected.

Coeliac patients almost always have at least one risk allele, however the presence of such an allele does not mean the patient has or will necessarily develop coeliac disease, since risk alleles are present in about 30% of the normal population. The diagnosis of coeliac disease should therefore be made in the context of clinical presentation, coeliac serology, response to gluten avoidance, and when indicated, small bowel biopsy.

The frequency of risk alleles in confirmed coeliac patients is HLA-DQ2.5 (most common), HLA-DQ2.2 (common), HLA-DQ8 (uncommon) and HLADQA*05:01 (rare).

Family screening for confirmed coeliac patients should be considered.

Alleles tested were HLA-DQ2.5 (DQA1*05:01 + DQB1*02:01), HLA-DQ2.2 (DQA1*02:01 + DQB1*02:02), DQ8 (DQB1*03:02), and DQA1*05:01 (without DQB1*02:01) by qualitative real-time PCR with Taq-polymerase-mediated reporter fluorescence.

Tests to follow: VAP