



MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00225A REPORT

18 July 2025

CLINICAL SUMMARY

Sex: Male
Age: 53

HISTOPATHOLOGY

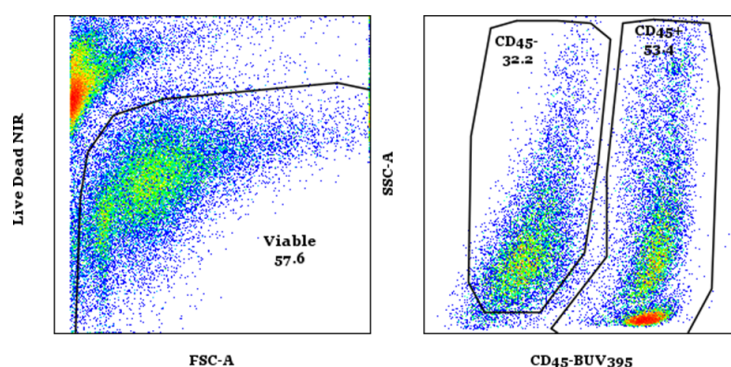
Specimen type: Lung
Tumour site: Right Upper Lobe
Tumour type: Melanoma
Tumour stage: Stage IV
Specimen tumour content: 60%

NEXT GENERATION GENOME/TRANSCRIPTOME DATA

Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 29,212,896 paired end, 8.82 Gbp
Tumour DNA: 63,512,521 paired end, 19.18 Gbp
Tumour RNA: 53,858,474 paired end, 16.27 Gbp

Top pathogenic somatic mutations			
Gene	Alteration	Allele Frequency	Function
KIT	c.1924A>G p.K642E	80%	Gain

FLOW CYTOMETRY TUMOUR DISSOCIATE ANALYSIS



Cell Type	(%) of subset
Viable Cells	57.6
Viable Cells>CD45-	32.2
Viable Cells>CD45+	53.4
Viable Cells>CD45+>B Cells	5.8
Viable Cells>CD45+>CD4+	13.4
Viable Cells>CD45+>CD8+	8.2