

MEMO

Re: Hereditary Cancer – Ashkenazi Jewish Panel Testing

Effective July 19, 2021, the Molecular Genetics Laboratory at North York General will be offering the CCO recommended genetic variants for individuals of Ashkenazi Jewish (AJ) descent who meet criteria for AJ specific mutation investigation (see the Table below).

The updated Hereditary Cancer Requisition is included. It will also be made available at North York General website www.nygh.on.ca/genetics/labs. The turnaround times will be 6~8 weeks for routine testing, and 4 weeks for expedited.

Ashkenazi Jewish Panel		
	HGVS	Alt Name
1	NM_000038.6(APC):c.3920T>A, p.(Ile1307Lys)	APC I1307K
2	NM_007294.4(BRCA1):c.68_69del, p.(Glu23Valfs*17)	BRCA1 185delAG or 187delAG
3	NM_007294.3(BRCA1):c.5266dup, p.(Gln1756Profs*74)	BRCA1 5382insC or 5385insC
4	NM_000059.4(BRCA2):c.5946del, p.(Ser1982Argfs*22Val)	BRCA2 6174delT
5	NM_007194.4(CHEK2):c.1283C>T, p.(Ser428Phe)	CHEK2 1283C>T
6	NM_013372.6 (GREM1): 40 kb upstream dup	
7	NM_000251.2(MSH2):c.1906G>C, p.(Ala636Pro)	MSH2 A636P
8	NM_000179.2 (MSH6):c.3984_3987dup, p.(Leu1330Valfs*12)	MSH6 c.3984_3987dupGTCA
9	NM_000179.2(MSH6):c.3959_3962del, p.(Ala1320Glufs*6)	MSH6 c.3959_3962delCAAG