## Tempus xG Sample Report Guide

Germline testing identifies potential hereditary cancer risk factors that may affect patients and their family members.

By combining both somatic and germline results, Tempus provides a more comprehensive view of your patient's molecular profile.

xG SAMPLE REPORT: PAGE 1		Smith, J	lane		TEMPUS
xG+ (extended hereditary cancers) or xG (common •		DOB 3/31/2000 Submitter Pa	Accessio 5521985 tient ID(s) 123456789	n	
xG report dates may vary from somatic tests		Source: Blood in E Date Collected: 3/3 Date Received: 3/3	DTA 1/2022 31/2022	P 3/31/2022 D d: 4/19/2022 A	rovider OE, M.D., JOHN dditional Provider: Lauricella, Chris
(xT and xF). They follow separate testing timelines and can be ordered at different time points.		Test(s) Required	uested litary cancers) - 52 genes uated		
88 (xG+) or 52 (xG) genes associated with hereditary ▪ - ┘ cancer risk	 	FH, FLCN, GALNT POT1, PTEN, RAD	BAPT, BARDT, BLM, BMPRTA, BRCAT, 12, HOXB13, MET, MITF, MIH1, MSH2, 51C, RAD51D, RECQL, RNF43, RPS20,	BROAZ, BRIFT, ODHT, CDR4, CD BSH3, MSH6, MUTYH, MBN, NF1, SCG5, SDHB, SDHC, SDHD, SMA	NRA, OHENZ, EPCAM, FANCO, FANCO, ANCON, NTHLI, PALES, PMSZ, POLDI, POLE, D4, STK11, TP53, TSC1, TSC2, VHL
	1	Gene	Variant c.4456_4459delGTTA	Zygosity	Classification
Positive Result:		PMS2	p.(V 1486Nfs*5) c.5 A>G p.(E2G) table variants were identified in any of the	Heterozygous	Variant of Uncertain Significance
uncertain significance in PMS2 identified by germline sequencing.		Interpretatio This individual is syndrome and ass 16.5-27%, pancrea	Dheterozygous for a pathogenic variant sociated with the following lifetime can tic 2-7%, prostate 20%, male breast 8.5	in BRCA2, consistent with Hered cer risks: female breast 38-84%, : %.	itary Breast and Ovarian Cancer second primary breast 62%, ovarian
NCCN Guidelines for management are available • for pathogenic/likely pathogenic variants. Testing may also be considered for at-risk relatives for these findings.		Recomment Genetic counselin The "NCCN Guid recommendation" include For individuals of BRCA2 variant is First degree relati Targeted testing f The clinical implic uncertain signific clarify the effect of necessary for enr	dation(s) g is recommended. elines for Genetic/Familial High-Risk Assis for Heredial ps Reast and Ovarian Cano recommendations for prostate cancers are recommended. wes have up to a 50% chance of also has for these variant(s) is available for art-risk, rations of the variant(s) of uncertain signif ance is not recommended for al-risk famil of such variants. Detailed review of the pa ofiment in our variant testing program.	assment: Breast, Ovarian, and Pant er syndrome. In addition, the "NCCI reening in men with BRCA2 pathog oductive risk associated with being ing the pathogenic/likely pathogeni elatives. Cance remain unclear. For that rear members. However, targeted test tient's clinical and family history info	reatic' include management I Guidelines for Prostate Cancer Early enic/likely pathogenic variants. a carrier of a pathogenic/likely pathogenic z variant(s) identified in this individual. son, predictive testing for variants of g of cartain family members may help to rmation by our clinical genetics team is
Due to unclear clinical significance of variants of uncertain significance, management guidelines		Laboratory Direct 207 Perry Parkway GeneDx.com	ted by Sean Hofherr, Ph.D., FACMG 7, Gaithersburg, MD 20877	T: (888) 729-1206 E: zebras@genedx.com	1 of :

are not available.



## xG SAMPLE REPORT: PAGE 2

Gene specific summaries are included with ----gene function and information about associated syndromes and cancers.

included for all pathogenic/likely pathogenic variants and variants of uncertain significance.

