

Precision Medicine Assay Formulary – October 2021

<b><u>DOT</u></b> <b>(Chair)</b>	<b><u>Disease/Histology</u></b>	<b><u>Non-Metastatic</u></b> <b><u>Disease</u></b> <b>Disease Stage -</b> <b>Somatic *PMA</b> <b>(vendor)</b>	<b><u>Metastatic</u></b> <b><u>Disease</u></b> <b>Somatic PMA</b> <b>(vendor)</b>	<b>**CGP</b> <b>applicable</b> <b>for all</b> <b>patients with</b> <b>metastatic</b> <b>disease</b> <b>Yes (Y) or</b> <b>***No (N)</b>	<b><u>Germline PMA (vendor)</u></b>
<b>Breast</b> (Yen)	Ductal CA	Genomic Health – OncotypeDx Assay  Agendia – Mammaprint and Blueprint assay  BCI – Breast Cancer Index (for late recurrence risk)	Foundation One CDx (Foundation Medicine), Guardant360 CDx (Guardant Health)	No. Foundation One testing used after disease progression after 1 – 2 lines of treatment.	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Lobular CA	Genomic Health – OncotypeDx Assay  Agendia – Mammaprint and Blueprint assay  BCI – Breast Cancer Index (for late recurrence risk)	Foundation One CDx (Foundation Medicine), Guardant360 CDx (Guardant Health)	No. Foundation One testing used after disease progression after 1 – 2 lines of treatment.	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Others				
<b>Thoracic</b> (Menon)	Small Cell Lung Cancer	NA	Caris Molecular Intelligence (Caris)	Yes	Not typically hereditary however, dependent on personal/family history

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			Guardant360 CDx (Guardant Health)		
	NSCLC	Caris Molecular Intelligence (Caris)	Caris Molecular Intelligence (Caris)  Guardant360 CDx (Guardant Health)	Yes	Not typically hereditary however, dependent on personal/family history
	Others				
<b>GI</b> (Tsai)	Colon CA	Stage II & III- Signatera for MRD Stage I, II & III - MMR status IHC & PCR (WDL/GSPMC) mfolfoxAI (Caris)	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health) mfolfoxAI (Caris)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Pancreas CA	Tempus xT and Tempus -HRD (Tempus)	Tempus xT and Tempus-HRD (Tempus)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Gastric CA	HER-2/Neu amplification (WDL)	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Esophageal CA	HER-2/Neu amplification (WDL)	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Not typically hereditary however, dependent on personal/family history

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	Hepatocellular CA	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Not typically hereditary however, dependent on personal/family history
	Cholangiocarcinoma	NA	Tempus xT (Tempus) Guardant 360 (Guardant Health)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	NET (well-mod differentiated)	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Not typically hereditary however, dependent on personal/family history
	NET (poorly differentiated)	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Not typically hereditary however, dependent on personal/family history
	Others	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	
<b>GU</b> (Langenstroer) Liquid PMA has been variable –	Prostate CA	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel

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Foundation Liquid or Guardant 360, but moving towards Guardant 360	Kidney	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Bladder	Foundation One CDx (Foundation Medicine)	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Testicular	NA	Foundation One CDx (Foundation Medicine) Guardant 360 (Guardant Health)	Yes	Not typically hereditary however, dependent on personal/family history
	Others				
<b>Gyn-Onc</b> (Uyar)	Ovarian CA	NA (At recurrence, assays will be employed as in the metastatic setting)	Foundation One CDx (Foundation Medicine), Ambry Genetics -Tumor Next HRD (Ambry Genetics) MyChoice, Myriad	Yes	Myriad MyRisk
	Endometrial CA	NA (At recurrence, assays will be employed as in the metastatic setting)	Foundation One CDx (Foundation Medicine)	Yes (histology dependent)	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Cervical CA	NA (At recurrence, assays will be	Foundation One CDx (Foundation Medicine)	Yes	Not typically hereditary however, dependent on personal/family history

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		employed as in the metastatic setting)			
	Others Granulosa Cell Cancer	NA (At recurrence, assays will be employed as in the metastatic setting)	Foundation One CDx (Foundation Medicine) Androgen Markers (WDL)	Yes	
<b>Neuro-Onc</b> (Bovi)	Glioblastoma	Grade 2, 3, & 4 Gliomas (Astrocytomas and Oligodendrogliomas)	Glioseq (UPMC), MGMT (LabCorp)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Others				
<b>Head &amp; Neck</b> (Wong)	HNSCC	NA	Foundation One CDx (Foundation Medicine)		Not typically hereditary however, dependent on personal/family history
	Others				
<b>Sarcoma</b> (Charlson)	Sarcoma	NA	Tempus xT (Tempus) Guardant 360 (Guardant Health)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	GIST	Tempus xT (Tempus)	Tempus xT (Tempus) Guardant 360 (Guardant Health)	Yes	
	Others	NA	Tempus xT (Tempus)	Yes	
<b>Endocrine</b> (Wang)	Adrenocortical CA	NA	Foundation One CDx (Foundation Medicine)	Yes	Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel

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	Others	NA	GSPMC 50 gene panel ThyroSeq/Veracyte Invitae HPT panel		
<b>Skin Cancer</b> (Clarke)	Melanoma	NA	Foundation One CDx (Foundation Medicine)		Ambry Custom DNA/RNA hereditary cancer panel or Invitae Custom DNA Panel
	Others				
<b>Hematology</b> (Fenske)	AML	ARUP NGS IDH1, IDH2 (BCW)			Not typically hereditary however, dependent on personal/family history
	MDS	ARUP NGS			Not typically hereditary however, dependent on personal/family history
	ALL	Clonoseq			Not typically hereditary however, dependent on personal/family history
	HL	NA			Not typically hereditary however, dependent on personal/family history
	NHL	Clonoseq P53 ARUP			Not typically hereditary however, dependent on personal/family history
	MM	Clonoseq			Not typically hereditary however, dependent on personal/family history
	Others (CLL)	Clonoseq			Not typically hereditary however, dependent on personal/family history

\***PMA** – Precision Medicine Assay

\*\***CGP** – Comprehensive Genomic Profiling

\*\*\***No** – If CGP is not applicable for all patients with metastatic disease, please specify which subgroups qualify for testing.

