

Tumour Markers Indications

Adjudication Guideline

Rule Category: Medical

Approved by: Daman

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1. Abstract

1.1 For Members

Tumour markers also known as biomarkers are proteins mostly produced by cancer or by other cells of the body in response to cancer or certain benign (non-cancerous) conditions. They are produced at higher levels in cancerous cases. These are found in blood, urine, stool, tumour tissue or other tissues or other bodily fluids. More than 20 tumour markers have been developed for clinical use.

Daman covers tumour markers if medically justified as per the best international medical practice and as per the policy terms and conditions of each Health Insurance Plan administered by Daman.

1.2 For Medical Professionals

The various tumour markers differ in their usefulness for screening, diagnosis, prognosis, assessing therapeutic response, and detecting recurrence.

The main use of tumour markers in clinical medicine is as a supportive laboratory test for diagnosis or in follow up of a patient being treated for malignancy.

Daman covers the tumour markers for cancer management if medically necessary, for all plans administered by Daman as per the policy terms and conditions of each plan.

2. Scope

This guideline emphasises on the indications and coverage of the given tumour markers for all the health insurance plans administered by Daman both as per the policy terms and conditions and as per the international best practice.

3. Adjudication Policy

3.1 Eligibility / Coverage Criteria

Tumour markers are covered as per best clinical practice and as per plan wise coverage criteria for all health insurance plans administered by Daman.

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3.2 Requirements for Coverage

ICD and CPT codes must be coded to the highest level of specificity

3.3 Non-Coverage

- 1. Daman does not cover tumour markers for the Visitor's Plan.
- 2. Daman does not cover any of the services considered to be experimental or unproven for requesting tumour markers.
- 3. Daman does not cover any of the tumour markers which are considered as experimental or unproven.

3.4 Payment and Coding Rules

Tumor	СРТ	Code Description	Clinical Indications
Markers	Code		
Alpha- fetoprotein (AFP)	82105	Alpha-fetoprotein (AFP); serum	Hepatocellular carcinoma and testicular germ cell tumour.
Anaplastic Lymphoma Kinase (ALK gene)	88121	Cytopathology, in situ hybridization (e.g., FISH), urinary tract specimen with morphometric analysis, 3-5 molecular probes, each specimen; using computer-assisted technology	Non-small cell lung cancer (NSCLC) and anaplastic large cell lymphoma
Beta-2- microglobulin (B2M)	82232	Beta-2 microglobulin	Multiple myeloma, chronic lymphocytic leukaemia, and some lymphomas.
Beta-human chorionic gonadotropin (Beta-hCG)	84702	Gonadotropin, chorionic (B-hCG); quantitative ; qualitative	Choriocarcinoma and testicular germ cell tumour
	84704	; free beta chain	
BCR-ABL fusion gene (Philadelphia chromosome)	81206	BCR/ABL1 (t (9;22)) (e.g., chronic Myelogenous leukemia) translocation analysis; major breakpoint, qualitative or quantitative	Chronic Myeloid Leukaemia, Acute Lymphoblastic leukaemia, Acute Myelogenous leukaemia.
	81207	; minor breakpoint, qualitative or quantitative ; other breakpoint, qualitative or quantitative	
Bladder Tumour Ag (BTA)	86294	Immunoassay for tumor antigen, qualitative or	Bladder cancer, cancer of kidneys and ureters.

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			Daille
		semi quantitative (e.g.,	
0 1/2 / 05 44 =	00040	bladder tumor antigen)	Carturintantinal describe
C-Kit / CD117	88342	Immunohistochemistry or	Gastrointestinal stromal tumour, Mucosal melanoma.
		immunocytochemistry,	metanoma.
		per specimen; initial	
		single antibody stain	
		procedure	
CA-15-3 /	86300	Immunoassay for tumor	Breast Cancer
CA27.29		antigen, quantitative; CA 15-3 (27.29)	(Performed for screening* , treatment effectiveness or recurrence)
		13-3 (27.29)	effectiveness of recuirence)
CA 19-9	86301	Immunoassay for tumor	Pancreatic cancer (Gold standard),
		antigen, quantitative; CA	gallbladder cancer, bile duct cancer, gastric
		19-9	cancer
CA-125	86304	Immunoassay for tumor	Ovarian cancer
		antigen, quantitative; CA 125	
Calcitonin	82308	Calcitonin	Medullary thyroid cancer
Carcinoembry	82378	Carcinoembryonic	Colorectal cancer
onic antigen	0_0,0	antigen (CEA)	
(CEA)			
Chromograni	86316	Immunoassay for tumor	Neuroendocrine tumour
n A (CgA)		antigen, other antigen,	
		quantitative (e.g., CA 50, 72-4, 549), each	
Cytokeratin	86316	Immunoassay for tumor	Lung cancer
fragment 21-		antigen, other antigen,	3 - 1
1		quantitative (e.g., CA 50,	
Enterment	01225	72-4, 549), each	Nico con il collingo con con
Epidermal growth factor	81235	Cytopathology, in situ hybridization (e.g.,	Non-small cell lung cancer (NSCLC)
receptor		FISH), urinary tract	(NSCLC)
(EGFR)		specimen with	
		morphometric analysis,	
		3-5 molecular probes,	
		each specimen; using computer-assisted	
		technology	
Oestrogen	88360	Morphometric analysis,	Breast cancer
receptor	,	tumor	
(ER)/progest	88361	immunohistochemistry	
erone		(e.g., Her-2/neu,	
receptor (PR)		estrogen receptor/progesterone	
		receptor), quantitative or	
		semi quantitative, per	
		specimen, each single	
		antibody stain	
		procedure; manual	
		; using computer- assisted technology	
Fibrin/fibrino	85362	Fibrin (ogen)	Bladder cancer
gen	/	degradation (split)	
	85366	products (FDP) (FSP);	
	/	agglutination slide, semi	
		quantitative.	

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	85370 / 85378 / 85379 / 85380	; par coagulation ; quantitative. Fibrin degradation products, D-dimer; qualitative or semi quantitative. ; quantitative. ; ultrasensitive (e.g., for evaluation for venous thromboembolism), qualitative or semi quantitative.	
Human Epididymis Protein 4 (HE4)	86305	Human epididymis protein 4 (HE4)	Ovarian cancer
human epidermal growth factor receptor (HER2/neu)	83950	Oncoprotein; HER-2/neu	Breast cancer, gastric cancer, and gastro esophageal junction adenocarcinoma.
Immunoglobu lins	82784	Gammaglobulin (immunoglobulin); IgA, IgD, IgG, IgM, each	Multiple myeloma and Waldenström macroglobulinemia
Lactate dehydrogena se (LDH)	83615 / 83625	Lactate dehydrogenase (LD), (LDH). (LD), (LDH); isoenzymes, separation, and quantitation.	Testicular germ cell tumors, lymphoma, leukemia, melanoma, and neuroblastoma
Myeloperoxid ase (MPO)	83876	Myeloperoxidase (MPO)	Acute Myeloid Leukemia
Prostate- specific antigen (PSA)	84152 , 84153 , 84154	Prostate specific antigen (PSA); complexed (direct measurement) (PSA); total (PSA); free	Prostate cancer (Performed for screening** , diagnosis, assess response to treatment, and look for recurrence)
Placental Alkaline Phosphatase (PLAP)	84080	Phosphatase, alkaline; isoenzymes	Metastatic germ cell tumors
Thyroglobulin	84432	Assay of thyroglobulin	Thyroid cancer
Urokinase plasminogen activator (uPA) and plasminogen activator inhibitor (PAI-1)	88342	Immunohistochemistry or immunocytochemistry, per specimen; initial single antibody stain procedure	Breast cancer
UroVysion	88121	Cytopathology, in situ hybridization (e.g., FISH), urinary tract specimen with morphometric analysis, 3-5 molecular probes, each specimen; using	Bladder Cancer

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		computer-assisted technology	
5-Protein signature (OVA1)	88342	Immunohistochemistry or immunocytochemistry, per specimen; initial single antibody stain procedure	Ovarian cancer
Nuclear matrix protein 22	86386	Nuclear Matrix Protein 22 (NMP22), qualitative	Bladder cancer

^{*} CA-15-3 done only if clinically indicated.

NON- MALIGNANT CONDITIONS ASSOCIATED WITH RISE IN TUMOR MARKERS

Marker	Associated Non-malignant Conditions
AFP	Viral Hepatitis, liver injury, Irritable Bowel Disease, pregnancy.
B-hCG	Testicular cancer, marijuana smokers, pregnancy, gestational trophoblastic disease.
CEA	Smokers, IBD, hepatitis, cirrhosis, pancreatitis, gastritis
CA-125	Peritoneal irritation, endometriosis, pelvic inflammatory disease, hepatitis, cirrhosis, First trimester of pregnancy, pancreatitis, ovarian cysts
PSA	Prostatitis, benign prostatic hyperplasia.

4. Denial Codes

Code	Code description
MNEC-003	Service is not clinically indicated based on good clinical practice.
MNEC-004	Service is not clinically indicated based on good clinical practice, without additional supporting diagnosis/activities.
MNEC-005	Service/ supply may be appropriate, but too frequent.
CODE-010	Activity/ diagnosis inconsistent with clinician speciality.
PRCE-002	Payment is included in the allowance for another service.
PRCE-010	Use bundled code
NCOV-003	Service(s) is (are) not covered.

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^{**} PSA Cancer screening as per Daman's policy



5. Appendices

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5.2 Revision History

Date	Change(s)
01-07-2012	Release of V1.0
01-07-2013	Release of V1.1- New template
15-07-2014	Release of V2.0- Disclaimer updated as per system requirements
09-01-2019	Release of V3.0- Content update
25-12-2024	Release of V4.0

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