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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ME1005a : Malignant melanoma tissue array, including TNM and clinical stage, 50cases/ 100 cores, replacing ME1005

Microarray Panel	Malignant melanoma tissue microarray, containing 50 cases of malignant melanoma, duplicate cores per case	
Cores	100	
Cases	50	
Row number	10	
Column number	10	
Core Diameter (mm)	1.5	
Thickness (µm)	5	
Tissue Array Type	FFPE	
Species	Human	
Applications	Routine histology procedures including Immunohistochemistry (IHC) and In Situ Hybridization (ISH), protocols which can be found at our support page.	
Notes	1. TMA slides were sectioned and stored at 4°C and may not be fresh cut, but still suitable for IHC. Please request fresh cut if experiment involves phospho-specific antibodies, RNA studies, FISH or ISH, etc. A minimum of 3 slides per TMA must be purchased to cover the cost of trimming for fresh sectioning. 2. Most TMA slides were not coated with an extra layer of paraffin (tissue cores can be easily seen on the glass). To prevent tissue detachment during antigen retrieval, unbaked slides must be baked for at least 30 to 120 minutes at 60°C. before putting into xylene for de-paraffinization. Baked slides were sent out baked for 2 hours. In the following specsheet, “*” means invalid core; “-” means no applicable or negative in IHC markers.	

	1	2	3	4	5	6	7	8	9	10
A	Nos	Nos	Nos	Nos	Ton	Ton	Sof	Sof	Eso	Eso
B	Eso	Eso	Sto	Sto	Sto	Sto	Int	Int	Int	Int
C	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec
D	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec
E	Rec	Rec	Bla	Bla	Ute	Ute	Scr	Scr	Ski	Ski
F	Vul	Vul	Vul	Vul	Vul	Vul	Ski	Ski	Ski	Ski
G	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski
H	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski
I	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski
J	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Ski	Adr

Legend: Bla - Bladder, Eso - Esophagus, Int - Intestine, Nos - Nose, Rec - Rectum, Scr - Scrotum, Ski - Skin, Sof - Soft tissues, Sto - Stomach, Ton - Tongue, Ute - Uterine cervix, Vul - Vulva

● - Malignant tumor, ● - Malignant tumor, ● - Malignant tumor (stage II), ● - Malignant tumor (stage IIA), ● - Malignant tumor (stage IIB), ● - Malignant tumor (stage IIC), ● - Malignant tumor (stage III)

Pos.	No.	Age	Sex	Organ/Anatomic Site	Pathology diagnosis	TNM	Grade	Stage	Type	Image
A1	1	38	F	Nose	Malignant melanoma of left nasal cavity	-		-	Malignant	
A2	2	38	F	Nose	Malignant melanoma of left nasal cavity	-		-	Malignant	
A3	3	63	M	Nose	Malignant melanoma of nose	-		-	Malignant	
A4	4	63	M	Nose	Malignant melanoma of nose	-		-	Malignant	
A5	5	70	F	Tongue	Malignant melanoma of parotid gland	-		-	Malignant	
A6	6	70	F	Tongue	Malignant melanoma of parotid gland	-		-	Malignant	
A7	7	49	M	Soft tissues	Malignant melanoma of left thigh	-		-	Malignant	
A8	8	49	M	Soft tissues	Malignant melanoma of left thigh	-		-	Malignant	
A9	9	64	M	Esophagus	Malignant melanoma	-		-	Malignant	
A10	10	64	M	Esophagus	Malignant melanoma	-		-	Malignant	
B1	11	50	M	Esophagus	Malignant melanoma	-		-	Malignant	
B2	12	50	M	Esophagus	Malignant melanoma	-		-	Malignant	
B3	13	55	M	Stomach	Malignant melanoma	-		-	Malignant	
B4	14	55	M	Stomach	Malignant melanoma	-		-	Malignant	
B5	15	55	M	Stomach	Malignant melanoma	-		-	Malignant	

B6	16	55	M	Stomach	Malignant melanoma	-	-	Malignant	
B7	17	73	M	Intestine	Malignant melanoma of small intestine	-	-	Malignant	
B8	18	73	M	Intestine	Malignant melanoma of small intestine	-	-	Malignant	
B9	19	71	M	Intestine	Malignant melanoma of small intestine	-	-	Malignant	
B10	20	71	M	Intestine	Malignant melanoma of small intestine	-	-	Malignant	
C1	21	38	F	Rectum	Malignant melanoma	-	-	Malignant	
C2	22	38	F	Rectum	Malignant melanoma	-	-	Malignant	
C3	23	66	M	Rectum	Malignant melanoma	-	-	Malignant	
C4	24	66	M	Rectum	Malignant melanoma	-	-	Malignant	
C5	25	75	M	Rectum	Malignant melanoma	-	-	Malignant	
C6	26	75	M	Rectum	Malignant melanoma	-	-	Malignant	
C7	27	66	F	Rectum	Malignant melanoma	-	-	Malignant	
C8	28	66	F	Rectum	Malignant melanoma	-	-	Malignant	
C9	29	44	F	Rectum	Malignant melanoma	-	-	Malignant	
C10	30	44	F	Rectum	Malignant melanoma	-	-	Malignant	
D1	31	38	M	Rectum	Malignant melanoma	-	-	Malignant	
D2	32	38	M	Rectum	Malignant melanoma	-	-	Malignant	
D3	33	84	F	Rectum	Malignant melanoma	-	-	Malignant	
D4	34	84	F	Rectum	Malignant melanoma	-	-	Malignant	
D5	35	54	F	Rectum	Malignant melanoma	-	-	Malignant	
D6	36	54	F	Rectum	Malignant melanoma	-	-	Malignant	
D7	37	64	M	Rectum	Malignant melanoma	-	-	Malignant	
D8	38	64	M	Rectum	Malignant melanoma	-	-	Malignant	
D9	39	69	F	Rectum	Malignant melanoma	-	-	Malignant	
D10	40	69	F	Rectum	Malignant melanoma	-	-	Malignant	
E1	41	67	F	Rectum	Malignant melanoma	-	-	Malignant	
E2	42	67	F	Rectum	Malignant melanoma	-	-	Malignant	
E3	43	53	F	Bladder	Malignant melanoma	-	-	Malignant	
E4	44	53	F	Bladder	Malignant melanoma	-	-	Malignant	
E5	45	44	F	Uterine cervix	Malignant melanoma	-	-	Malignant	
E6	46	44	F	Uterine cervix	Malignant melanoma	-	-	Malignant	
E7	47	46	M	Scrotum	Malignant melanoma	-	-	Malignant	
E8	48	46	M	Scrotum	Malignant melanoma	-	-	Malignant	
E9	49	52	M	Skin	Malignant melanoma of anorectum	-	-	Malignant	
E10	50	52	M	Skin	Malignant melanoma of anorectum	-	-	Malignant	
F1	51	38	F	Vulva	Malignant melanoma	T4N0M0	IIB	Malignant	
F2	52	38	F	Vulva	Malignant melanoma	T4N0M0	IIB	Malignant	
F3	53	57	F	Vulva	Malignant melanoma	T4N0M0	II	Malignant	
F4	54	57	F	Vulva	Malignant melanoma	T4N0M0	II	Malignant	
F5	55	62	F	Vulva	Malignant melanoma	T4N0M0	IIB	Malignant	
F6	56	62	F	Vulva	Malignant melanoma	T4N0M0	IIB	Malignant	
F7	57	50	M	Skin	Malignant melanoma of left shoulder	T4N0M0	II	Malignant	
F8	58	50	M	Skin	Malignant melanoma of left shoulder	T4N0M0	II	Malignant	
F9	59	7	M	Skin	Malignant melanoma of sacrococcygeal region	T4N0M0	II	Malignant	
F10	60	7	M	Skin	Malignant melanoma of sacrococcygeal region	T4N0M0	II	Malignant	
G1	61	46	F	Skin	Malignant melanoma of right chest wall	T4N0M0	II	Malignant	
G2	62	46	F	Skin	Malignant melanoma of right chest wall	T4N0M0	II	Malignant	
G3	63	71	M	Skin	Malignant melanoma of right arm	T4N0M0	II	Malignant	
G4	64	71	M	Skin	Malignant melanoma of right arm	T4N0M0	II	Malignant	
G5	65	42	F	Skin	Malignant melanoma of right thigh	T4N0M0	II	Malignant	
G6	66	42	F	Skin	Malignant melanoma of right thigh	T4N0M0	II	Malignant	
G7	67	46	F	Skin	Malignant melanoma of right hallux	T4N0M0	II	Malignant	
G8	68	46	F	Skin	Malignant melanoma of right hallux	T4N0M0	II	Malignant	
G9	69	58	F	Skin	Malignant melanoma of left buttock	T4N0M0	II	Malignant	
G10	70	58	F	Skin	Malignant melanoma of left buttock	T4N0M0	II	Malignant	
H1	71	42	F	Skin	Malignant melanoma of left thumb	T4N0M0	IIB	Malignant	
H2	72	42	F	Skin	Malignant melanoma of left thumb	T4N0M0	IIB	Malignant	
H3	73	45	M	Skin	Malignant melanoma of crissum	T4N0M0	IIB	Malignant	
H4	74	45	M	Skin	Malignant melanoma of crissum	T4N0M0	IIB	Malignant	
H5	75	45	F	Skin	Malignant melanoma of chest wall	T4N0M0	IIA	Malignant	
H6	76	45	F	Skin	Malignant melanoma of chest wall	T4N0M0	IIA	Malignant	
H7	77	80	M	Skin	Malignant melanoma of right sole of foot	T4N0M0	II	Malignant	
H8	78	80	M	Skin	Malignant melanoma of right sole of foot	T4N0M0	II	Malignant	
H9	79	52	M	Skin	Malignant melanoma of left abdominal wall	T4N0M0	IIA	Malignant	

H10	80	52	M	Skin	Malignant melanoma of left abdominal wall	T4N0M0		IIA	Malignant	
I1	81	40	M	Skin	Malignant melanoma of right chest wall	T4N0M0		II	Malignant	
I2	82	40	M	Skin	Malignant melanoma of right chest wall	T4N0M0		II	Malignant	
I3	83	60	M	Skin	Malignant melanoma of right arm	T4N0M0		IIA	Malignant	
I4	84	60	M	Skin	Malignant melanoma of right arm	T4N0M0		IIA	Malignant	
I5	85	51	M	Skin	Malignant melanoma of back	T4N0M0		IIA	Malignant	
I6	86	51	M	Skin	Malignant melanoma of back	T4N0M0		IIA	Malignant	
I7	87	37	M	Skin	Malignant melanoma of right arm	T4N0M0		II	Malignant	
I8	88	37	M	Skin	Malignant melanoma of right arm	T4N0M0		II	Malignant	
I9	89	60	M	Skin	Malignant melanoma of left sole of foot	T4bN0M0		IIC	Malignant	
I10	90	60	M	Skin	Malignant melanoma of left sole of foot	T4bN0M0		IIC	Malignant	
J1	91	60	M	Skin	Malignant melanoma of sole of foot	T2N1M0		III	Malignant	
J2	92	60	M	Skin	Malignant melanoma of sole of foot	T2N1M0		III	Malignant	
J3	93	38	M	Skin	Malignant melanoma of right sole of foot	T3N1M0		III	Malignant	
J4	94	38	M	Skin	Malignant melanoma of right sole of foot	T3N1M0		III	Malignant	
J5	95	42	M	Skin	Malignant melanoma of left heel	T3N2M0		III	Malignant	
J6	96	42	M	Skin	Malignant melanoma of left heel	T3N2M0		III	Malignant	
J7	97	46	F	Skin	Malignant melanoma of thigh	T4N1M0		III	Malignant	
J8	98	46	F	Skin	Malignant melanoma of thigh	T4N1M0		III	Malignant	
J9	99	61	M	Skin	Malignant melanoma of right thigh	T4N2M0		III	Malignant	
J10	100	61	M	Skin	Malignant melanoma of right thigh	T4N2M0		III	Malignant	
-	0	42	M	Adrenal gland	Pheochromocytoma (tissue marker)		-		Malignant	

AJCC-TNM classification for mucosal melanoma of the head and neck

T3 Mucosal disease

Primary Tumour	
T3	Mucosal disease
T4a	Moderately advanced disease. Tumour involving deep soft tissue, cartilage, one, or overlying skin.
T4b	Very advanced disease. Tumour involving brain, dura, skull base, lower cranial nerves (IX, X, XI, XII), masticator space, carotid artery, prevertebral space or mediastinal structures
Regional lymph nodes	
NX	Regional lymph nodes cannot be assessed
N0	No regional lymph node metastases
N1	Regional lymph node metastases present

Clinical stage

Stage III	T3	N0	M0
Stage IVA	T4a	N0	M0
	T3-T4a	N1	M0
Stage IVB	T4b	Any N	M0
Stage IVC	Any T	Any N	M1

Vulvovaginal mucosal melanoma

Vulval melanomas are staged using the same AJCC-TNM classification as the table above. There is no staging system for vaginal melanoma, so a simplified clinical staging system can be used to categorise these melanomas.

Vaginal melanoma

Stage I	Clinically localized disease
Stage II	Regional nodal involvement
Stage III	Distant metastatic involvement

Anorectal mucosal melanoma

Anorectal mucosal melanoma is staged using the same simplified staging system as vaginal melanoma.

Anorectal mucosal melanoma

Stage I	Clinically localized disease
Stage II	Regional nodal involvement
Stage III	Distant metastatic involvement

Melanoma of the skins

Primary tumor (T)

- * TX: Primary tumor cannot be assessed (e.g., shave biopsy or regressed melanoma)
- * T0: No evidence of primary tumor
- * Tis: Melanoma in situ
- * T1: Tumor 1.0 mm or less in thickness with or without ulceration
 - * T1a: Tumor 1.0 mm or less in thickness and Clarks level II or III, no ulceration
 - * T1b: Tumor 1.0 mm or less in thickness and Clarks level IV or V or with ulceration
- * T2: Tumor more than 1.0 mm but not more than 2.0 mm in thickness with or without ulceration
 - * T2a: Tumor more than 1.0 mm but not more than 2.0 mm in thickness, no ulceration
 - * T2b: Tumor more than 1.0 mm but not more than 2.0 mm in thickness, with ulceration
- * T3: Tumor more than 2.0 mm but not more than 4 mm in thickness with or without ulceration
 - * T3a: Tumor more than 2.0 mm but not more than 4 mm in thickness, no ulceration

- * T3b: Tumor more than 2.0 mm but not more than 4 mm in thickness, with ulceration
- * T4: Tumor more than 4.0 mm in thickness with or without ulceration
- * T4a: Tumor more than 4.0 mm in thickness, no ulceration
- * T4b: Tumor more than 4.0 mm in thickness, with ulceration

Regional lymph nodes (N)

- * NX: Regional lymph nodes cannot be assessed
 - * N0: No regional lymph node metastasis
 - * N1: Metastasis to 1 lymph node
 - * N1a: Clinically occult (microscopic) metastasis
 - * N1b: Clinically apparent (macroscopic) metastasis
 - * N2: Metastasis to 2 or 3 regional nodes or intralymphatic regional metastasis without nodal metastases
 - * N2a: Clinically occult (microscopic) metastasis
 - * N2b: Clinically apparent (macroscopic) metastasis
 - * N2c: Satellite or in transit metastasis without nodal metastasis
 - * N3: Metastasis in 4 or more regional nodes, or matted lymph nodes, or in transit metastasis or satellite(s) with metastatic regional node(s)
- Note: Micrometastases are diagnosed after elective or sentinel lymphadenectomy; macrometastases are defined as clinically detectable lymph nodes metastases confirmed by therapeutic lymphadenectomy, or when any lymph node metastasis exhibits gross extracapsular extension.

Distant Metastasis (M)

- * MX: Distant metastasis cannot be assessed
- * M0: No distant metastasis
- * M1: Distant metastasis
 - * M1a: Metastasis to skin, subcutaneous tissues, or distant lymph nodes
 - * M1b: Metastasis to lung
 - * M1c: Metastasis to all other visceral sites or distant metastasis at any site associated with an elevated serum lactic dehydrogenase (LDH)

Stage Groupings

- Stage 0
 - Tis, N0, M0
- Stage IA
 - T1a, N0, M0
- Stage IB
 - T1b, N0, M0
 - T2a, N0, M0
- Stage IIA
 - T2b, N0, M0
 - T3a, N0, M0
- Stage IIB
 - T3b, N0, M0
 - T4a, N0, M0
- Stage IIC
 - T4b, N0, M0
- Stage III
 - Any T, N1, M0
 - Any T, N2, M0
 - Any T, N3, M0
- Stage IV
 - Any T, any N, M1

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