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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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OS804d : Osteosarcoma tissue array, including TNM and clinical stage, 40 cases/80 cores, replacing OS804c

Microarray Panel	Osteosarcoma tissue microarray, containing 40 cases of osteosarcoma, duplicate cores per case		
Cores	80		
Cases	40		
Row number	8		
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	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
B	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
C	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
D	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
E	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
F	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
G	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon
H	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon	Bon

Legend: Bon - Bone

● - Malignant tumor, ● - Malignant tumor (stage IA), ● - Malignant tumor (stage IB), ● - Malignant tumor (stage IIA), ● - Malignant tumor (stage IIB), ● - Malignant tumor (stage IVB)

Pos.	No.	Age	Sex	Organ/Anatomic Site	Pathology diagnosis	TNM	Grade	Stage	Type	Image
A1	1	13	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
A2	2	13	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
A3	3	12	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
A4	4	12	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
A5	5	23	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
A6	6	23	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
A7	7	21	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
A8	8	21	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
A9	9	42	M	Bone	Osteosarcoma of femur	T2N0M0 G4		IIB	Malignant	
A10	10	42	M	Bone	Osteosarcoma of femur	T2N0M0 G4		IIB	Malignant	
B1	11	16	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
B2	12	16	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
B3	13	15	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
B4	14	15	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
B5	15	35	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
B6	16	35	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
B7	17	64	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
B8	18	64	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
B9	19	29	M	Bone	Osteosarcoma of femur	T1N0M0 G2		IA	Malignant	

B10	20	29	M	Bone	Osteosarcoma of femur	T1N0M0 G2		IA	Malignant	
C1	21	30	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
C2	22	30	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
C3	23	51	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
C4	24	51	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
C5	25	11	M	Bone	Osteosarcoma of femur	T1N0M0 G2		IA	Malignant	
C6	26	11	M	Bone	Osteosarcoma of femur	T1N0M0 G2		IA	Malignant	
C7	27	47	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
C8	28	47	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
C9	29	47	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
C10	30	47	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
D1	31	16	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
D2	32	16	F	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
D3	33	12	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
D4	34	12	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
D5	35	16	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
D6	36	16	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
D7	37	16	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
D8	38	16	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
D9	39	37	F	Bone	Osteosarcoma of femur	T1N0M0 G2		IA	Malignant	
D10	40	37	F	Bone	Osteosarcoma of femur	T1N0M0 G2		IA	Malignant	
E1	41	14	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E2	42	14	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E3	43	14	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E4	44	14	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E5	45	32	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E6	46	32	F	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E7	47	46	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
E8	48	46	M	Bone	Osteosarcoma of femur	T2N0M0 G2		IB	Malignant	
E9	49	16	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
E10	50	16	M	Bone	Osteosarcoma of femur	T2N0M0 G3		IIB	Malignant	
F1	51	17	M	Bone	Osteosarcoma of tibia	T2N0M0 G2		IB	Malignant	
F2	52	17	M	Bone	Osteosarcoma of tibia	T2N0M0 G2		IB	Malignant	
F3	53	17	M	Bone	Osteosarcoma of tibia	T2N0M0 G2		IB	Malignant	
F4	54	17	M	Bone	Osteosarcoma of tibia	T2N0M0 G2		IB	Malignant	
F5	55	14	F	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
F6	56	14	F	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
F7	57	38	M	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
F8	58	38	M	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
F9	59	20	F	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
F10	60	20	F	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
G1	61	60	M	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
G2	62	60	M	Bone	Osteosarcoma of tibia	T2N0M0 G3		IIB	Malignant	
G3	63	31	M	Bone	Osteosarcoma of humerus	T2N0M0 G3		IIB	Malignant	
G4	64	31	M	Bone	Osteosarcoma of humerus	T2N0M0 G3		IIB	Malignant	
G5	65	18	M	Bone	Osteosarcoma of humerus	T2N0M0 G2		IB	Malignant	
G6	66	18	M	Bone	Osteosarcoma of humerus	T2N0M0 G2		IB	Malignant	
G7	67	32	F	Bone	Osteosarcoma of humerus	T2N0M0 G2		IB	Malignant	
G8	68	32	F	Bone	Osteosarcoma of humerus	T2N0M0 G2		IB	Malignant	
G9	69	41	F	Bone	Osteosarcoma of humerus	T1N0M0 G2		IA	Malignant	
G10	70	41	F	Bone	Osteosarcoma of humerus	T1N0M0 G2		IA	Malignant	
H1	71	30	M	Bone	Osteosarcoma of rib	T1N0M0 G2		IA	Malignant	
H2	72	30	M	Bone	Osteosarcoma of rib	T1N0M0 G2		IA	Malignant	
H3	73	32	M	Bone	Osteosarcoma of rib	T1N0M0 G3		IIA	Malignant	
H4	74	32	M	Bone	Osteosarcoma of rib	T1N0M0 G3		IIA	Malignant	
H5	75	33	M	Bone	Osteosarcoma of upper jaw	T1N0M0 G2		IA	Malignant	
H6	76	33	M	Bone	Osteosarcoma of upper jaw	T1N0M0 G2		IA	Malignant	
H7	77	15	M	Bone	Osteosarcoma of lower jaw	T2N1M0 G2		IVB	Malignant	
H8	78	15	M	Bone	Osteosarcoma of lower jaw	T2N1M0 G2		IVB	Malignant	
H9	79	51	M	Bone	Osteosarcoma of fibula	T2N0M0 G3		IIB	Malignant	
H10	80	51	M	Bone	Osteosarcoma of fibula	T2N0M0 G3		IIB	Malignant	
-	0	42	M	Adrenal gland	Pheochromocytoma (tissue marker)		-		Malignant	

TNM grading:

T - Primary tumor

Tx - Primary tumor cannot be assessed

T0 - No evidence of primary tumor
 Tis - Carcinoma in situ; intraepithelial or invasion of lamina propria
 T1 - Tumor invades submucosa
 T2 - Tumor invades muscularis propria
 T3 - Tumor invades through muscularis propria into subserosa or into non-peritonealized pericolic or perirectal tissues.
 T4 - Tumor directly invades other organs or structures and/or perforate visceral peritoneum

N - Regional lymph nodes

Nx - Regional lymph nodes cannot be assessed
 N0 - No regional lymph node metastasis
 N1 - Metastasis in 1 to 3 regional lymph nodes
 N2 - Metastasis in 4 or more regional lymph nodes

M - Distant metastasis

Mx - Distant metastasis cannot be assessed
 M0 - No distant metastasis
 M1 - Distant metastasis

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