

## Breast Carcinoma TMA with IHC Results

Catalogue Number: ARY-HH0137

Lot Number: ARY-HH0137-003

Availability: By Order

Description: 48 cases of breast disease and cancer, duplicate cores per case.

Species: Human

Fixative: Formalin

Total Cores: 96

Total Cases: 48

Layout: 12 x 8

Core Size: 1.5 mm

Section Thickness: 5 microns

Validation: Validated for Immunohistochemistry

		1	2	3	4	5	6	7	8	9	10	11	12
Slide Label	a	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	b	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	c	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	d	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	e	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	f	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	g	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst
	h	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst	Bst

Pos	Age	Sex	Tissue	Pathology Diagnosis	Grade	Stage	TNM	ER	PR	P53	Her2
(a,1)	49	F	Breast	Normal breast tissue	-	-	-	++,50%	+++,50%	-	+
(a,2)	49	F	Breast	Normal breast tissue	-	-	-	++,40%	+++,50%	-	+
(a,3)	28	F	Breast	Plasma cell mastitis	-	-	-	+,5%	+,50%	+,30%	-
(a,4)	28	F	Breast	Plasma cell mastitis	-	-	-	+,5%	+,50%	+,30%	-
(a,5)	32	F	Breast	Plasma cell mastitis	-	-	-	-	+,10%	++,30%	-
(a,6)	32	F	Breast	Plasma cell mastitis	-	-	-	-	+,10%	++,30%	-
(a,7)	35	F	Breast	Plasma cell mastitis	-	-	-	+,5%	+,30%	++,25%	-
(a,8)	35	F	Breast	Plasma cell mastitis	-	-	-	+,5%	++,40%	++,25%	-
(a,9)	28	F	Breast	Adenosis	-	-	-	++,40%	+++,30%	+,50%	+
(a,10)	28	F	Breast	Adenosis	-	-	-	++,40%	+++,30%	+,50%	+
(a,11)	50	F	Breast	Adenosis	-	-	-	-	++,50%	-	+
(a,12)	50	F	Breast	Adenosis	-	-	-	-	++,50%	-	+
(b,1)	44	F	Breast	Adenosis	-	-	-	++,80%	++,80%	+,50%	+
(b,2)	44	F	Breast	Adenosis	-	-	-	++,80%	++,80%	+,50%	+
(b,3)	19	F	Breast	Fibroadenoma	-	-	-	+,10%	+++,80%	+,70%	++
(b,4)	19	F	Breast	Fibroadenoma	-	-	-	+,10%	+++,80%	+,70%	++
(b,5)	22	F	Breast	Fibroadenoma	-	-	OTisNOMO	+++,60%	+++,90%	+,70%	++
(b,6)	22	F	Breast	Fibroadenoma	-	-	OTisNOMO	+++,60%	+++,90%	+,70%	++
(b,7)	54	F	Breast	Fibroadenoma	-	-	-	-	+,10%	+,50%	-
(b,8)	54	F	Breast	Fibroadenoma	-	-	-	-	+,10%	+,50%	-
(b,9)	62	F	Breast	Lobular carcinoma in situ	-	-	-	+,5%	-	+,50%	+++
(b,10)	62	F	Breast	Lobular carcinoma in situ (fibrous tissue)	-	-	-	N/A	N/A	N/A	N/A
(b,11)	45	F	Breast	Ductal carcinoma in situ (Adenosis)	-	-	OTisNOMO	+++,50%	+++,50%	+,30%	+
(b,12)	45	F	Breast	Ductal carcinoma in situ (ductal ectasia)	-	-	OTisNOMO	+++,50%	+++,50%	+,30%	+
(c,1)	52	F	Breast	Invasive ductal carcinoma	1	IIa	T2N0M0	-	-	++,70%	+++
(c,2)	52	F	Breast	Invasive ductal carcinoma	1	IIa	T2N0M0	-	-	++,70%	+++
(c,3)	58	F	Breast	Invasive ductal carcinoma	1	IIa	T2N0M0	+++,20%	+,10%		+++
(c,4)	58	F	Breast	Invasive ductal carcinoma	1	IIIa	T2N2M0	+++,20%	+,10%		+++
(c,5)	71	F	Breast	Invasive ductal carcinoma	1--2	IIb	T3N0M0	+++,80%	+++,90%		++
(c,6)	71	F	Breast	Invasive ductal carcinoma	1--2	IIIa	T3N1M0	+++,80%	+++,90%		++

Pos	Age	Sex	Tissue	Pathology Diagnosis	Grade	Stage	TNM	ER	PR	P53	HER2
c,7)	59	F	Breast (Bst)	Invasive ductal carcinoma	1IIa	T2N0M0		++,10%	-	+40%	++
c,8)	59	F	Breast (Bst)	Invasive ductal carcinoma	1IIa	T2N0M0		++,10%	-	+40%	++
c,9)	43	F	Breast (Bst)	Invasive ductal carcinoma	1IIa	T2N0M0		++,10%	+20%	+80%	+++
c,10)	43	F	Breast (Bst)	Invasive ductal carcinoma	1IIIa	T2N2M0		++,10%	+20%	+80%	+++
c,11)	37	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N0M0		+5%	-	+20%	++
c,12)	37	F	Breast (Bst)	Invasive ductal carcinoma	2IIIa	T3N1M0		+5%	-	+20%	++
d,1)	49	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		+5%	-	++95%	++
d,2)	49	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T2N1M0		+5%	-	++95%	++
d,3)	32	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N0M0		-	+80%	-	++
d,4)	32	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		-	+80%	-	++
d,5)	50	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		-	+10%	+80%	+++
d,6)	50	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		-	+10%	+80%	+++
d,7)	53	F	Breast (Bst)	Invasive ductal carcinoma	1IIa	T2N0M0		++,10%	++20%	+60%	++
d,8)	53	F	Breast (Bst)	Invasive ductal carcinoma	1IIb	T2N1M0		++,10%	++20%	+60%	+++
d,9)	62	F	Breast (Bst)	Invasive ductal carcinoma (chronic inflammation)	-	IIb	T3N0M0	+++50%	++30%	N/A	N/A
d,10)	62	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		+++50%	++30%	+50%	+++
d,11)	49	F	Breast (Bst)	Invasive ductal carcinoma (breast ductal tissue)	-	IIa	T2N0M0	-	-	+60%	++
d,12)	49	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		-	-	+60%	++
e,1)	55	F	Breast (Bst)	Invasive ductal carcinoma	2IIIb	T4N1M0		++50%	-	+60%	++
e,2)	55	F	Breast (Bst)	Invasive ductal carcinoma	2IIIa	T2N2M0		++50%	-	+60%	++
e,3)	52	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		++80%	-	-	+
e,4)	52	F	Breast (Bst)	Invasive ductal carcinoma (sparse)	1IIa	T2N0M0		++80%	-	-	+
e,5)	43	F	Breast (Bst)	Invasive ductal carcinoma	2IIIb	T4N2M0		+++100%	+++100%	+100%	-
e,6)	43	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N0M0		+++100%	+++100%	+100%	-
e,7)	42	F	Breast (Bst)	Invasive ductal carcinoma	2IIIb	T4N1M0		-	-	+50%	++
e,8)	42	F	Breast (Bst)	Invasive ductal carcinoma (fibrous tissue, blood vessel)	-	IIIa	T2N2M0	-	-	N/A	N/A
e,9)	57	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		-	-	+95%	+++
e,10)	57	F	Breast (Bst)	Invasive ductal carcinoma (sparse)	-	IIa	T2N0M0	-	-	+95%	+++
e,11)	54	F	Breast (Bst)	Invasive ductal carcinoma	2IIIb	T4N2M0		-	-	+++85%	+++
e,12)	54	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N0M0		-	-	+++85%	+++
f,1)	45	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		+++50%	+++50%	++80%	++
f,2)	45	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N0M0		+++50%	+++50%	++80%	++
f,3)	37	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T3N1M0		-	-	++100%	+++
f,4)	37	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T2N1M0		-	-	++100%	+++
f,5)	69	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T2N1M0		+++90%	-	+95%	++
f,6)	69	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		+++90%	-	+95%	++
f,7)	56	F	Breast (Bst)	Invasive ductal carcinoma (Adenosis)	-	IIa	T2N0M0	-	-	-	++
f,8)	56	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N0M0		-	-	-	++
f,9)	47	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T3N1M0		-	+20%	+++80%	+++
f,10)	47	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T2N1M0		-	+15%	+++80%	+++
f,11)	48	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T2N1M0		-	-	++50%	++
f,12)	48	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		-	-	++50%	++
g,1)	58	F	Breast (Bst)	Invasive ductal carcinoma	2IIa	T2N0M0		++60%	++10%	+95%	+
g,2)	58	F	Breast (Bst)	Invasive ductal carcinoma	2IIIb	T4N1M0		++60%	++10%	+95%	+
g,3)	52	F	Breast (Bst)	Invasive ductal carcinoma (sparse)	-	IIa	T2N0M0	+10%	+20%	N/A	N/A
g,4)	52	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T2N1M0		+10%	+20%	+++95%	+++
g,5)	58	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T3N1M0		+++100%	++10%	+95%	+++
g,6)	58	F	Breast (Bst)	Invasive ductal carcinoma	2IIb	T2N1M0		+++100%	++10%	+95%	+++
g,7)	52	F	Breast (Bst)	Invasive ductal carcinoma	3IIa	T2N0M0		++10%	-	-	++
g,8)	52	F	Breast (Bst)	Invasive ductal carcinoma	3IIIb	T2N0M0		++10%	-	-	++
g,9)	45	F	Breast (Bst)	Invasive ductal carcinoma	3IIa	T2N0M0		++10%	++30%	+20%	++
g,10)	45	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T2N2M0		++10%	++30%	+20%	++
g,11)	71	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T3N0M0		+5%	+40%	++10%	+
g,12)	71	F	Breast (Bst)	Invasive ductal carcinoma	3IIb	T3N1M0		+5%	+35%	++10%	+

Pos	Age	Sex	Tissue	Pathology Diagnosis	Grade	Stage	TNM	ER	PR	P53	HER2
(h,1)	44	F	Breast (Bst)	Invasive ductal carcinoma	2	I Ib	T2N1M0	-	-	+10%	++
(h,2)	44	F	Breast (Bst)	Invasive ductal carcinoma	2	IV	T3N1M1	-	-	++20%	++
(h,3)	65	F	Breast (Bst)	Invasive ductal carcinoma	2	IIa	T2N0M0	-	-	+5%	++
(h,4)	65	F	Breast (Bst)	Invasive ductal carcinoma	2	I Ib	T2N1M0	-	-	+5%	++
(h,5)	41	F	Breast (Bst)	Invasive ductal carcinoma	2	IIa	T2N0M0	++60%	++60%	+++95%	+++
(h,6)	41	F	Breast (Bst)	Invasive ductal carcinoma	2	I	T1N0M0	++60%	++60%	+++95%	+++
(h,7)	75	F	Breast (Bst)	Invasive ductal carcinoma	3	I Ib	T2N1M0	+20%	-	+50%	+
(h,8)	75	F	Breast (Bst)	Invasive ductal carcinoma	3	IV	T3N1M1	+20%	-	+50%	+
(h,9)	41	F	Breast (Bst)	Invasive lobular carcinoma	-	IIa	T2N0M0	+10%	++50%	+10%	-
(h,10)	41	F	Breast (Bst)	Invasive lobular carcinoma	-	I Ib	T2N1M0	+10%	++50%	+10%	-
(h,11)	53	F	Breast (Bst)	Invasive lobular carcinoma	-	IIa	T2N0M0	+++90%	++10%	+40%	+
(h,12)	53	F	Breast (Bst)	Invasive lobular carcinoma	-	I	T1N0M0	+++90%	++10%	+40%	+

Grading Scale:

- Grade I (well-differentiated) = Cells appear normal and are not growing rapidly
- Grade II (moderately-differentiated) = Cells appear slightly different than normal
- Grade III (poorly differentiated) = Cells appear abnormal and tend to grow and spread more aggressively
- Grade IV (undifferentiated) = Features are not significantly distinguishing to make it look any different from undifferentiated cancers which occur in other organs (\* for certain tumors)

IHC Scale:

- "-" = no staining
- "+" = weak staining
- "" = borderline staining
- "" = moderate staining
- "" = strong staining
- "" = percentage of positive cells

*Please note that the number and description of spots may vary between array lots.  
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