

## 16-2009: Breast: cancer-normal

**Application :** IHC

### Description

**Core diameter** : 2.0 mm  
**Section thickness** : 4 micrometer  
**Slide orientation** : In most of the slides with 59 or 60 cores, the orientation is as below unless indicated otherwise. # 60 location is usually filled with carbon for orientation.

Shaded area	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	30	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60

### Product Info

**Amount :** 1 Slide  
**Storage condition :** Individual slide is put in an air-tight pack with inert gas. If the slides are stored at 4 degree, they are good for up to one year.

### Application Note

#### How processed

- Tissues were initially fixed with formalin except for some of the animal tissues.
- Then, dehydrated with gradient ethanol; typically 1 hour each progressive steps; 70%, 90%, 95%, 99%, 100% x 3 times.
- Cleared by xylene, three changes for 1 hour each.
- Infiltrated with 60°C paraffin, three changes for 1 hour each
- Sectioned by microtome in 4 micrometer thickness and put on Superfrost plus slides.

#### Before use

- Dry slides for 1 hour in a oven at 60 degree.
- Dewax slides in xylene for 4 minutes x 5 times.
- Hydrate slides in 100%, 95% and 75% ethanol for 3 minutes x 2 times each.
- Immerse slides in tap water for 5 minutes.

#### Applications

- Immunohistochemistry

- Fluorescent in situ hybridization (FISH)
- mRNA in situ hybridization
- miRNA in situ hybridization
- TUNEL for apoptosis
- Nucleic acid extraction

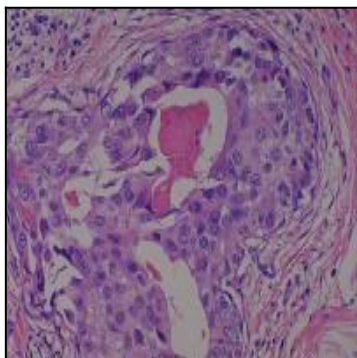


Figure-1: An example of Infiltrating duct carcinoma of breast tissue. For listing of organs in this slide, please click on Slide Info.