

## 16-2026: Thyroid 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

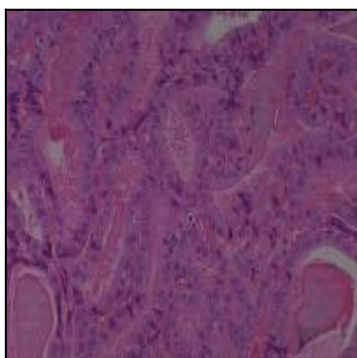


Figure-1: An example of Papillary carcinoma of thyroid tissue. For listing of organs in this slide, please click on Slide Info.