Product Datasheet

FFPE FISH PreTreatment Assay Kit
KA2375

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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Publications: 4

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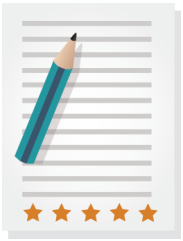

KA2375

FFPE FISH PreTreatment Assay Kit

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.

Product Description	
Description	Pre-treatment is an essential step for effective FISH on Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections. This kit contains key reagents used to pretreat FFPE tissue sections from dewaxing with xylene through proteolytic digestion to helps permeabilization of cell membranes to facilitate penetration of fluorescence labeled probes. After proteolytic digestion, proceed the subsequent steps with the FISH assay protocol.
Species	Human
Kit Components	Pretreatment Solution, Protease (Pepsin)
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Suitable Sample Type	Biological Samples

Product Application Details	
Applications	In-situ Hybridization
Recommended Dilutions	In-situ Hybridization
Application Notes	Useful in Fluorescence In Situ Hybridization (FFPE Tissue).

Publications

Chenlong Y, Jianjun S, Lei Y et al. Deficiency of PTEN and CDKN2A Tumor-Suppressor Genes in Conventional and Chondroid Chordomas: Molecular Characteristics and Clinical Relevance. Onco Targets Ther. 2020-05-25 [PMID: 32547095]

Ma L, Feng F, Dong L et al. Clinical significance of PD-1/PD-Ls gene amplification and overexpression in patients with hepatocellular carcinoma. Theranostics. 2018-11-10 [PMID: 30555574]

Zhang X, Kong M, Zhang Z et al. FGF19 genetic amplification as a potential therapeutic target in lung squamous cell carcinomas. Thorac Cancer 2017-09-14 [PMID: 28906590]

O'Hurley G, Daly E, O'Grady A et al. Investigation of Molecular Alterations of AKT-3 in Triple Negative Breast Cancer. Histopathology. 2013-10-19 [PMID: 24138071]

Procedures

Serum protocol for FFPE FISH PreTreatment Kit (KA2375)
FFPE FISH PreTreatment Protocol (KA2375):
Introduction

Pre-treatment is an essential step for effective FISH on Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections. This kit contains key reagents used to pretreat FFPE tissue sections from dewaxing with xylene through proteolytic digestion to helps permeabilization of cell membranes to facilitate penetration of fluorescence labeled probes. After proteolytic digestion, proceed the subsequent steps with the FISH assay protocol.

Material and Method

A. List of component
1. 1x Paraffin Pretreatment Solution, 500 mL
2. Protease (Pepsin), 0.5 ml x 10 vials

B. Materials Required But Not Provided
1. 2xSSC (Saline-sodium citrate buffer): 0.3 M NaCl, 0.03 M sodium citrate, pH 7.0
2. Xylene
3. 100% Ethanol
4. 70% Ethanol
5. Protease Buffer (0.2N HCl, pH 1)

C. Preparation of Reagents
1. Protease Solution: Add 500 uL of Protease in 50 mL Protease Buffer and mix gently.

D. Stability and storage
The kit is shipped at 4 degrees C. After arrival, please store the 1x Paraffin Pretreatment Solution at room temperature (RT), and store the Protease (Pepsin) at -20 degrees C.

E. Procedures
1. Deparaffinizing Slides
a. Immerse slides in Xylene for 5 minutes at room temperature, repeat three times. (Use fresh Xylene each time.)
b. Dehydrate slides in 100% Ethanol for 5 minutes at room temperature. Repeat once more.
c. Air dry slides or place slides on a 45 - 50 degrees C slide warmer.

2. Pretreating Slides
a. Immerse slides in 1x Paraffin Pretreatment Solution at 95 degrees C for 30 minutes.
b. Immerse slides in 2xSSC (Saline-sodium citrate buffer) for 5 minutes. Repeat once more.

3. Protease Treatment (proteolytic digestion)
a. Immerse slides in Protease Solution at 37 degrees C for 10 - 20 minutes.
b. Immerse slides in 2xSSC for 5 minutes. Repeat once more.
c. Immerse slides in 70% ethanol at room temperature for 1 min.
d. Remove the slide, and immerse in 100% ethanol at room temperature for 1 min.
e. Air dry slides or place slides on a 45-50 degrees C slide warmer.

4. Please follow the subsequent steps indicated in FISH protocol, which are in the second page (Paraffin embedded tissue) of FISH assay procedures .

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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