EB virus FISH Kit (20Test, Cat: EB1803)

For Research Use Only

Z-L-20180322-V3.0

外显子生物 EXON BIO

Application：

This kit is used to detect EB virus in slides embedded with paraffin by FISH, including as fllowing

- 3% Hydrogen peroxide (Solution 1)
- HCl buffer (Solution 2)
- Proteinase K buffer (Solution 3)
- EB Hybridization probe solution (Probe Solution 4)
- The second antibody(Antib-bio-HRP) (Solution 5)

Solutions and reagents：

- Xylol
- 100%、85%、70% ethanol
- DAB Substrate kit (DAB kit)
- Hematoxylin
- Neutral resin
- Distilled water
- PBS
- 2xSSC、0.1x SSC、0.5 xSSC

In Situ Hybridization：

All incubations were performed at room temperature unless otherwise indicated.

1. Put slides on the heating plate, heating under the temperature of 85℃ for 15 min.
2. Prepare three cups of xylene solution. The heated slides were immersed in xylene solution，three times for five minutes ,and then added sequentially to 100, 85, and 75 percent ethanol for 3 min each time.
3. After washing with purified water, the slides were dipped in 3% hydrogen peroxide for 10-15min. After that, rinse with purified water for 2 minutes. **(Solution 1)**
4. Specimens were treated by covering with 0.2N HCl for 20min.Then, washed with PBS for 5min. **(Solution 2)**
5. Specimens were treated by covering the spots with Proteinase K for 15 min at 37°C.

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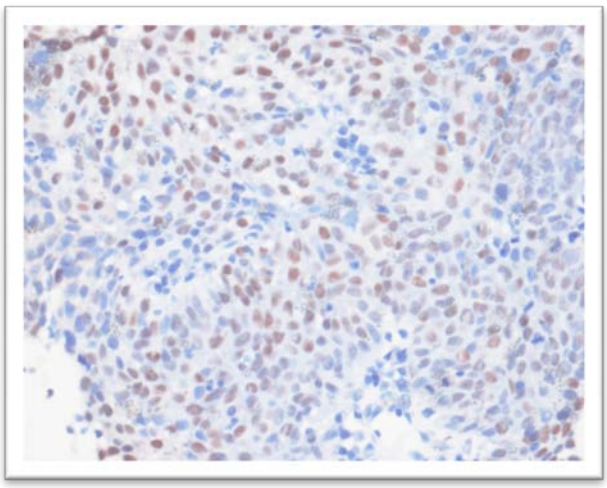
After that,washed by PBS for 5min，three times. **(Solution 3)**

6. 50μL of this hybridization solution was placed on each slide and then cover with cover slips.Put them on the heating plate at 95℃ for 5 min, followed by placing the slides at 37℃ for 16h. Subsequently, the slides were placed in a solution of 2 x SSC to remove the slips. **(Probe Solution 4)**
7. Following consecutive washes in 1x and 0.1x SSC solution, cells were blocked using the second antibody. 50μL of this antibody solution was placed on each slide and incubated in a wet box for 1h. **(Solution 5)**
8. Slides were then washed in 2x SSC for 10min and 0.5x SSC for 5min.
9. Add 100 μL of DAB (operated according to the product manual) to each specimen for 10min and washed by distilled water for 1min.
10. Add the hematoxylin to each specimen for 1min and then washed with PBS for 10min.
11. Put the specimen successively in 75%, 85% and 100% ethanol for 3min, and in xylol solution for 10min. Add with neutral resin and cover with cover glass. Air dry for 24h.
12. Afterwards, examine the slides under a microscope with proper filter set.

Detection: Signal on sections will present brown (DAB) or blue (NBT/BCIP) according to the labeled molecule.



- DAB Substrate kit (DAB kit) (Cat:DAB-EB002) 200.00RMB
- Hematoxylin 50mL (Cat: EP-4500) 200RMB
- Neutral resin 50mL (Cat: EP-4505) 120RMB

■ Note: PBS and 2 x SSC are free, you can get them from our lab.

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