Product Data Sheet

Product Name: One-step TUNEL Apoptosis Detection Kit (Orange, CY3)

Cat. No.: GK10041

Components

Component	20 rxns	50 rxns	100 rxns
5 × Equilibration Buffer	1 mL	2 × 1 mL	4 × 1 mL
CY3-dUTP Mix	100 μL	250 μL	2 × 250 μL
TdT Enzyme	20 μL	50 μL	2 × 50 μL
Proteinase K (2 mg/mL)	40 μL	100 μL	2 × 100 μL
DNase I (2 U/μL)	5 μL	13 μL	2 × 13 μL
10 × DNase I Buffer	100 μL	260 μL	2 × 260 μL

Features

Applications	[illegible]
Shipping	[illegible]
Storage	-20°C[illegible], [illegible]1[illegible]
Usage	For Research Use Only! Not For Use in Humans.

Protocol

I [illegible]

1. [illegible]

[illegible]4%[illegible]PBS[illegible]0.2% Triton X-100[illegible]PBS[illegible]

[illegible]1-2[illegible]0.22μm[illegible]4℃[illegible]

2. [illegible]

[illegible]

3. [illegible]

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Product Data Sheet

PBS, ddH_2O, Antifade Mounting Medium with DAPI (Cat.No. GC26283)

II □□□□

1. □□□□□□

1.1. □□□□□

1.1.1. □□□□□□□□□□□□□□ TC □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ PBS□□□□2□□

1.1.2. □□□□□4%□□□□□□□□□□□□□□□4°C□□25min□□□□□□□□

1.1.3.□ PBS □□□□□2-3□□□□□□□□□5min□

1.1.4. □□□□□0.2% Triton X-100□□□□□5min□

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1.1.5. □ PBS □□□□□2-3□□□□□□□□□5min□

1.2.□□□□□□□□□□

1.2.1. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1.2.2. □1:10□□□□ddH$_2$O□10×DNase I Buffer□□□1×DNase I Buffer□□□

1.2.3. □□100μL 1×DNase I Buffer□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1×DNase I Buffer□□□ □□5min□

1.2.4. □1×DNase I Buffer□□DNase I(2000U/mL)□□□□□□□□20U/mL□

1.2.5. □50μL 20U/mL DNase I□□□□□□□□□□□□□□

1.2.6. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20U/mL DNase I□37°C□□10min□

1.2.7. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□PBS□□3□□□□5min□

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Product Data Sheet

1.3. [illegible]

1.3.1. [illegible]

1.3.2. [illegible]1:5 [illegible]ddH$_2$O[illegible]5×Equilibration Buffer[illegible]1×Equilibration Buffer[illegible]

1.3.3. [illegible]100μL 1×Equilibration Buffer[illegible]1×Equilibration Buffer[illegible]5-10min[illegible]

1.3.4. [illegible]

[illegible]	[illegible]	[illegible]+[illegible]
ddH$_2$O	35μL	34μL
5×Equilibration Buffer	10μL	10μL
CY3-dUTP Mix	5μL	5μL
TdT Enzyme	0	1μL

1.3.5.[illegible]50μL[illegible]

[illegible]:[illegible]:[illegible]5cm^2[illegible]50μL[illegible]50μL[illegible] TdT [illegible]

1.3.6[illegible]37℃[illegible]60min[illegible]

1.3.7[illegible]PBS [illegible]2 [illegible]5min[illegible]

[illegible]:[illegible]PBS[illegible]0.1% Triton X-100 [illegible]5mg/mL BSA [illegible]PBS [illegible]3[illegible]5min[illegible]/[illegible]

Product Data Sheet

1.3.8□□□□□1□Antifade Mounting Medium with DAPI (Cat.No. GC26283)

1.3.9□□□□□□□□□□□□□□□□□□□□□□Antifade Mounting Medium with DAPI□□□□□□

1.3.10□□□□□□□□□□□□□□□□/□□□□ 550/570nm□□□□□□□;□□□□/□□□□ 356/451nm□□□ DAPI□□□□□□

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2.1. □□□□□

2.1.1. □□□□:□2×10^{6}cells/mL□□□□□□□□□ PBS□□□50-100µL□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

2.1.2. □□□□□□□4%□□□□□□□□□□□4℃□□25min□□□□□□

2.1.3.□ PBS □□□□2-3□□□□□□□□5min□

2.1.4. □□□□□□0.2% Triton X-100□□□□□□□□5min□

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2.1.5. □PBS□□□□2-3□□□□□□□□5min□

2.1.6. □□□

2.2. □□□□□□□□□□

2.2.1. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

2.2.2. □1:10□□□□ddH_2O□10×DNase I Buffer□□□1×DNase I Buffer□□□

2.2.3. □□ 100µL 1×DNase I Buffer □□□□□□□□□□□□□5min□

2.2.4. □ 1×DNase I Buffer □□ DNase I(2000U/mL)□□□□□□20U/mL□

2.2.5. □□□□□□□□□□□□□□□□□□□□□□□□100µL 20U/mL DNase I□□□

2.2.6. 37℃□□10min□

Product Data Sheet

2.2.7. □□□□□□□□□□□□□□□PBS□□3□□□□5min□

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2.3. □□□□□

2.3.1. □□□□□□□□□□□□□□□□□□□□□□□□

2.3.2. □ 1:5 □□□□ ddH_2O □5×Equilibration Buffer □□□1×Equilibration Buffer□

2.3.3. □□ 100μL 1×Equilibration Buffer □□□□□□□□□□□□□ 5-10min□

2.3.4. □□□□□□□□□□□□□□□□□□□□□□□□

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ddH_2O	35μL	34μL
5×Equilibration Buffer	10μL	10μL
CY3-dUTP Mix	5μL	5μL
TdT Enzyme	0	1μL

2.3.5.□□□□□□□□□□□□□□□□□□□□□□□50μL□□□□□□□□□

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Product Data Sheet

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2.3.8□□□□□□□□□□□□□□□□□□□□□□□1□Antifade Mounting Medium with DAPI (Cat.No. GC26283)

2.3.9□□□□□□□□□□Antifade Mounting Medium with DAPI□□□□□□

2.3.10□□□□□□□□□□□□□□□□□□□/□□□□ 550/570nm□□□□□□□□□;□□□□/□□□□ 356/451nm□□□ DAPI□□□□□□

3. □□□□□□□□□□

3.1. □□□□□

3.1.1. □□□□□□□□□□□□□2□□□□5-10min□□□□□□□□□

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3.1.2. □□□□□□□□□□□□□□□□ 2 □□□□5min□

3.1.3. □□□□□□□□□□ 90%□80%□70%□□□1□□□□ 3min□

3.1.4. □PBS □□□□□□□□□□□□□□□□□□□□□□□□□□□□

3.1.5□ 1:100□□□□□ PBS □□□□□2mg/mL□ Proteinase K □□□□□□□□□20μg/mL□□□□□□□□100μL□□□□ Proteinase K □□□□□□□□□□□□□□□□37℃□□15-30□□(□□□□□□□□□□□□□□□□□□□□□)□

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3.1.6. □ PBS □□□□□2-3□□□□□□□□5min□

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3.2. □□□□□□□□□□□3.3□□□□□□□□□□□□□2.2□2.3

4. □□□□□□□□

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Product Data Sheet

4.1.2. □□□□□□□4%□□□□□□□□□□□□30min□□

4.1.3. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4.1.4. □PBS □□□□□□2□□□□5min□□□□□□□□□□□□□□□□□□□□□□

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4.1.6. □ PBS □□□□□2-3□□□□□□□□5min□□□□□□□□□□□□□

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4.2. □□□□□□□□□□□4.3□□□□□□□□□□□□□2.2□2.3

III □□□□

1. 5×Equilibration Buffer□□□□□□□□□□□□□□□□/□□□□□□□□□□□□□□□□□□□□□□□□□PAP Pen□□□□□ □□

2. 5×Equilibration Buffer□□□

3. CY3-dUTP Mix □TdT Enzyme □□□□□□□□□□□□□CY3-dUTP Mix□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□TdT Enzyme □□□□□□□□□□□□□-20°C□□□□□□□□□□□□□□

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8. □□

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Product Data Sheet

IV □□□□□□□□□□

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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□□□□□□0.2% Triton X-100□□□□□□	□□1~2□□□0.2% Triton X-100□	
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Background

GlpBio□□□□□□TUNEL□□□□□□□□□One-step TUNEL Apoptosis Detection Kit (Orange, CY3)□□ □□□□□□□□□□□□□□□□□□□□□DNA□□□□□□□□Ex/Em = 550/570nm□

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1. Proteinase K (2mg/mL)□□□□□□□□
2. DNase I (2U/μL)□10×DNase I Buffer□□□□□□□□□□□
3. 5×Equilibration Buffer□CY3-dUTP Mix□TdT Enzyme□□□□□□□□