Problem or Question	Answer or Suggestion
How stable is NucView <sup>TM</sup> 488	The substrate is very stable. Some users have reported performing
Caspase-3 Substrate?	time course assays with NucView <sup>™</sup> 488 Caspase-3 Substrate for
	4-5 days.
When should I add NucView <sup>TM</sup> 488	NucView <sup>™</sup> 488 Caspase-3 Substrate can be added to the cells at
Caspase-3 Substrate to my cells?	the start of the experiment or at the end. A major advantage of
	NucView <sup>TM</sup> 488 Caspase-3 Substrate compared to other apoptosis
	assays is that it can be used to monitor capase-3 activity in real
	time.
Is NucView <sup>TM</sup> 488 Caspase-3 Substrate	Yes. NucView <sup>™</sup> 488 Caspase-3 Substrate is compatible with
compatible with flow cytometry or	instruments that can excite and collect green emission.
microplate readers?	
Can I fix NucView <sup>™</sup> 488 Caspase-3	Yes. We recommend a gentle fix in 2-4% paraformaldehyde for
Substrate for subsequent	10-15 minutes. Over-fixing can cause the signal to decrease.
immunostaining?	NucView <sup>TM</sup> 488 staining can withstand permeabilization with
C N W TM 400 C 2	0.1% Triton X-100. Methanol fixation is not recommended.
Can NucView™ 488 Caspase-3	NucView <sup>TM</sup> 488 Caspase-3 Substrate has not been validated by
Substrate be used for tissue staining?	Biotium for live tissue staining. However, we have had feedback
	from a customer who successfully used NucView <sup>TM</sup> 488 Caspase-3 Substrate for live zebrafish embryo staining. NucView <sup>TM</sup> 488
	Caspase-3 Substrate cannot be used in fixed cells or tissues.
How long can I monitor NucView <sup>TM</sup>	As with all fluorescence based probes, bleaching will occur over
488 Caspase-3 Substrate under the	time. How long you can view NucView <sup>TM</sup> 488 staining under the
microscope?	microscope depends on several factors including the initial signal
interoscope:	strength and the intensity of the excitation source.
The inhibitor DEVD-CHO does not	DEVD-CHO is a reversible inhibitor and may not sufficiently
seem to inhibit NucView <sup>TM</sup> 488	block caspase-3 activity. Adding an irreversible inhibitor like
staining.	DEVD-FMK at the beginning of the experiment (before or at the
	time of apoptosis induction) may more effectively inhibit caspase
	activity.
How specific is NucView <sup>TM</sup> 488	Like other caspase-3 substrates, NucView <sup>TM</sup> 488 Caspase-3
Caspase-3 Substrate for caspase-3?	Substrate is based on a DEVD sequence that also can be cleaved
	by caspase-7.
Do you have NucView <sup>TM</sup> substrates for	Additional NucView <sup>TM</sup> caspase substrates currently are in
other caspases or with different	development.
fluorescent dye colors?	

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