

# Datasheet: ICT935

**BATCH NUMBER 156548**

<b>Description:</b>	MAGIC RED™ CASPASE-3/7 KIT
<b>Name:</b>	CASPASE-3/7
<b>Format:</b>	MAGIC RED™ (Red Fluorescence)
<b>Product Type:</b>	Kits
<b>Quantity:</b>	25 TESTS

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Product Information

The Magic Red™ Caspase 3 & 7 kit uses a quick and easy method to analyze intracellular active caspases in apoptotic cells.

### Test Principle

Caspase Magic Red™ kits measure apoptosis by detecting active caspases in whole, living cells. These kits do not work by using antibodies or as an ELISA. Instead, their methodology is based on a cell-permeable and non-cytotoxic reagent which is cleaved in the presence of caspases to produce a fluorescent product. The Magic Red™ reagent contains a caspase inhibitor sequence (DEVD)<sub>2</sub> linked to a red (Cresyl Violet) fluorescent probe.

The Caspase Magic Red™ kits are suitable for cells in suspension and adherent cells from many species including mammalian, insect and yeast. Different cell types, e.g. Jurkat, HL-60, THP-1, fibroblasts, UMUC-3, MCF-7 and U937 cells have also been successfully studied with these kits.

This kit can be used in fluorescence microscopy or with fluorescence plate readers using black microtitre plates.

<b>Reagents In The Kit</b>	Magic Red™ MR-(DEVD) <sub>2</sub> Reagent - lyophilized Hoechst 33342 Stain, 1 mL Acridine orange (AO), 0.5 mL
<b>Instructions For Use</b>	Instructions for use can be found at <a href="http://www.bio-rad-antibodies.com/uploads/IFU/ICT935.pdf">www.bio-rad-antibodies.com/uploads/IFU/ICT935.pdf</a>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Wei, Z. <i>et al.</i> (2011) Notch activation enhances the microglia-mediated inflammatory response associated with focal cerebral ischemia. <a href="#">Stroke. 42 (9): 2589-94.</a></li> <li>2. Shibata, Y. <i>et al.</i> (2016) Controlled in-cell release of caspase from photodegradable nanoparticles using the PARCEL method <a href="#">Applied Spectroscopy Reviews. Mar 13 [Epub ahead of print]</a></li> </ol>
<b>Storage</b>	<p>Store the unopened kit (and each unopened component) at +4°C until the expiration date. Protect the MR-(DEVD)<sub>2</sub> reagent from light at all times.</p> <p>Once reconstituted, the 155X MR-(DEVD)<sub>2</sub> stock should be stored at -20°C protected from light.</p>
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Acknowledgements</b>	Magic Red™ is a trademark of Immunochemistry Technologies, LLC.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #20262 #10476 #10478 available at: <a href="https://www.bio-rad-antibodies.com/SDS/ICT935">https://www.bio-rad-antibodies.com/SDS/ICT935</a></p> <p>Magic Red™ MR-(DEVD)<sub>2</sub> Reagent (20262) Hoechst Stain (10476) Acridine Orange Stain (10478)</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[MAGIC RED™ CASPASE-3/7 KIT \(ICT936\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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