


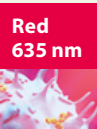


Viability dye guide

	Viability dyes	Detection channel	Stains dead cells only	Cell cycle staining	Cell membrane permeant	Stains DNA	Determination of DNA content	Stains RNA	Cytotoxic	Suitable for microscopy
	Viability™ 405/452 Fixable Dye	V1	yes	no	no	no	no	no	no	no
	DAPI	V1	yes (<15 min incubation)	yes	semi (>15 min incubation)	yes	yes	yes (at emission 500 nm)	low	yes
	Hoechst 33342	V1	no	yes	yes	yes	yes	no	medium (phototoxicity because of short wavelength)	yes
	Viability 405/520 Fixable Dye	V2	yes	no	no	no	no	no	no	no
	Viability 488/520 Fixable Dye	B1	yes	no	no	no	no	no	no	no
	PI	B2	yes	no	no	yes	no	yes	medium	yes
	CyTRAK Orange™	B2	no	yes (senescence)	yes	yes	no	no	low	yes
	PI	B3	yes	no	no	yes	no	yes	medium	yes
	7-AAD	B3	yes	no	no	yes	no	no	high	no
	CyTRAK Orange™	B3	no	yes (senescence)	yes	yes	no	no	low	yes
	PI	B2	yes	no	no	yes	no	yes	medium	yes
	CyTRAK Orange™	B2	no	yes (senescence)	yes	yes	no	no	low	yes
	PI	(B4)	yes	no	no	yes	no	yes	medium	yes
	CyTRAK Orange™	B4	no	yes (senescence)	yes	yes	no	no	low	yes
	7-AAD	R1	yes	no	no	yes	no	no	high	no
	DRAQ5®	(R1)	no	yes	yes	yes	yes	no	low	yes
	DRAQ7®	(R1)	yes	no	no	yes	no	no	no	yes
	DRAQ5®	R2	no	yes	yes	yes	yes	no	low	yes
	DRAQ7®	R2	yes	no	no	yes	no	no	no	yes
	DRAQ5®	R1	no	yes	yes	yes	yes	no	low	yes
	DRAQ7®	R1	yes	no	no	yes	no	no	no	yes
	DRAQ5®	R2	no	yes	yes	yes	yes	no	low	yes
	DRAQ7®	R2	yes	no	no	yes	no	no	no	yes

Technical support and customer service
 Europe +49 2204 8306-830 | USA +1 (800) FOR MACS | Asia Pacific +65 6238 8183

► miltenyibiotec.com/flow-downloads

Miltenyi Biotec provides products and services worldwide. Visit www.miltenyibiotec.com/local to find your nearest Miltenyi Biotec contact.

Unless otherwise specifically indicated, Miltenyi Biotec products and services are for research use only and not for therapeutic or diagnostic use. MACS, the MACS logo, and Viability are registered trademarks or trademarks of Miltenyi Biotec GmbH and/or its affiliates in various countries worldwide. All other trademarks mentioned in this document are the property of their respective owners and are used for identification purposes only. Copyright © 2018 Miltenyi Biotec GmbH and/or its affiliates. All rights reserved.

