

TyraMax™ Amplification Dyes

Superior signal amplification for Spatial Biology

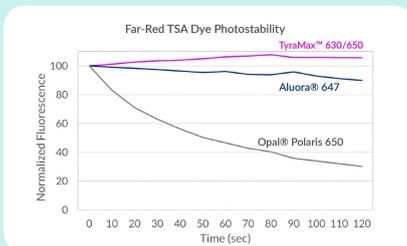
Struggling to detect Low-abundance targets?

TSA

Boost your fluorescent signals up to 100-fold with TyraMax™ !

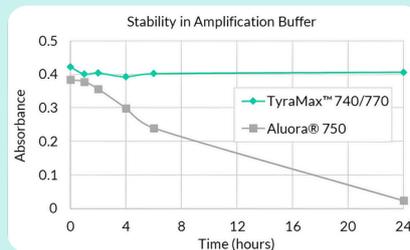
Ideal for high-sensitivity ICC, IHC, FISH and simplified multiplex panel design

Brighter and More Photostable Signals



Deliver superior brightness and photostability compared to Aluora™ and Opal™

Exceptional 24-Hour Stability

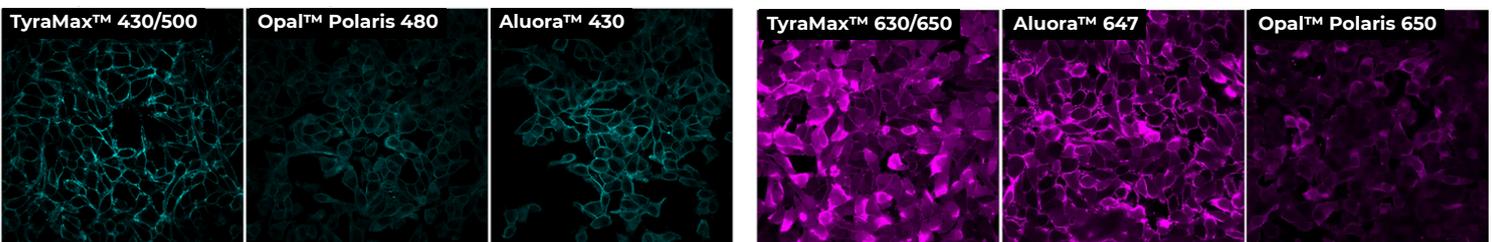


Remain stable in amplification buffer, making it perfect for automated staining workflows

Unmatched Panel Flexibility



Offers the widest selection of tyramide dyes colour available, from blue to near-IR



Feature	TyraMax™	Opal™	Aluora™
Signal performance	Brighter, more photostable	Dimmer, rapid fade	Dimmer & weaker signal
Working stability	Stable in buffer for ≥24 h	Limited stability	Can be unstable (e.g. Aluora™ 750 degrades overnight)
Colour selection	12 colours (blue to near-IR)	8 colours	8 colours

Finding the Opal® 780 protocol complicated? Try **TyraMax™ 740/770**—single-step detection for faster, streamlined staining.

Our Catalogue

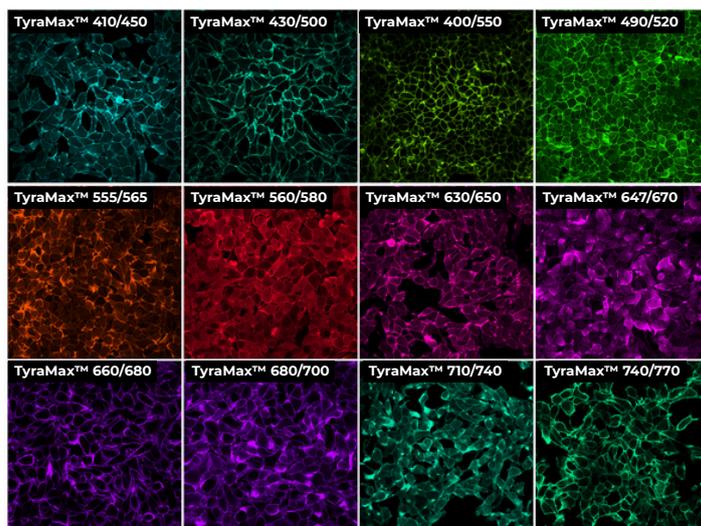
TyraMax™ Amplification Dyes

Dye	Abs/Em (nm)	Laser Line	Detection Channel	Alternative to	Cat. #
TyraMax™ 410/450	408/452	405 nm	DAPI / Alexa Fluor® 405	Unique tyramide color	96134
TyraMax™ 430/500	421/497	405 nm	FITC	Aluora® 430, Opal® 480	96135
TyraMax™ 400/550	394/547	405 nm	FITC	Unique tyramide color	96136
TyraMax™ 490/520	497/518	488 nm	FITC	Opal® 520, Aluora® 488	96137
TyraMax™ 555/565	594/569	555 nm or 561 nm	TRITC	Opal® 570, Aluora® 555	96138
TyraMax™ 560/580	562/584	555 nm or 561 nm	TRITC	Opal® 570, Aluora® 555	96139
TyraMax™ 630/650	631/650	633 nm or 640 nm	Cy®5	Opal® 650, Aluora® 647	96140
TyraMax™ 647/670	650/670	633 nm or 640 nm	Cy®5	Opal® 650, Aluora® 647	96141
TyraMax™ 660/680	663/683	633 nm or 640 nm	Alexa Fluor® 680	Unique tyramide color	96142
TyraMax™ 680/700	680/701	685 nm (detectable with 640 nm excitation)	Alexa Fluor® 680	Opal® 690	96143
TyraMax™ 710/740	711/736	685 nm	Alexa Fluor® 700	Aluora® 700	96144
TyraMax™ 740/770	742/768	730 nm	Alexa Fluor® 750	Opal® 780, Aluora® 750	96145

Want to try all 12 colours?

TyraMax™ Amplification Dye Spectral Sampler (Cat. No. 33031)

Component #	Component Name	Size
96134-20UL	TyraMax™ 410/450	20 µL
96135-20UL	TyraMax™ 430/500	20 µL
96136-20UL	TyraMax™ 400/550	20 µL
96137-20UL	TyraMax™ 490/520	20 µL
96138-20UL	TyraMax™ 555/565	20 µL
96139-20UL	TyraMax™ 560/580	20 µL
96140-20UL	TyraMax™ 630/650	20 µL
96141-20UL	TyraMax™ 647/670	20 µL
96142-20UL	TyraMax™ 660/680	20 µL
96143-20UL	TyraMax™ 680/700	20 µL
96144-20UL	TyraMax™ 710/740	20 µL
96145-20UL	TyraMax™ 740/770	20 µL



TyraMax™ 3-Plex Amplification Dye Set with DAPI (Cat. No. 33029)

Component #	Component Name	Size
96137-100UL	TyraMax™ 490/520 Amplification Dye, 100X	100 µL
96139-100UL	TyraMax™ 560/580 Amplification Dye, 100X	100 µL
96140-100UL	TyraMax™ 630/650 Amplification Dye, 100X	100 µL
99897-50UL	DAPI, 1000X	50 µL

TyraMax™ 5-Plex Amplification Dye Set with DAPI (Cat. No. 33030)

Component #	Component Name	Size
96137-100UL	TyraMax™ 490/520 Amplification Dye, 100X	100 µL
96139-100UL	TyraMax™ 560/580 Amplification Dye, 100X	100 µL
96140-100UL	TyraMax™ 630/650 Amplification Dye, 100X	100 µL
96143-100UL	TyraMax™ 680/700 Amplification Dye, 100X	100 µL
96145-100UL	TyraMax™ 740/770 Amplification Dye, 100X	100 µL
99897-50UL	DAPI, 1000X	50 µL

Recommended Products

Product Name	Cat. #
Tyramide Amplification Buffer Plus	22029
AntiFix™ Universal Antigen Retrieval Buffer, 10X	22030
Goat Anti-Mouse IgG (H+L), Highly Cross-Adsorbed, HRP Conjugate	20401
Goat Anti-Rabbit IgG (H+L), Highly Cross-Adsorbed, HRP Conjugate	20402
SuperHT PAP Pen 2.0	23023, 23024
EverBrite™ Mounting Medium, with or without DAPI	23001, 23002
TrueBlack® Lipofuscin Autofluorescence Quencher	23007

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