

azooka



# Eco-Fluorophores

Fluorescent tags for Life Sciences

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DNA

RNA

Live Cells

Proteins

Chromosomes

# Re-thinking biology with Safety, Sustainability & Performance

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## Go **GREEN** without compromise

Green chemistry is an approach that aims to maximize efficiency and minimize or eliminate the use and generation of hazardous substances that affect human health and the environment. Azooka is propelling the GREEN chemistry transition by re-inventing molecular biology with safety, sustainability, and performance in mind. Azooka Eco-Fluros are food-grade safe and adhere to all 12 principles of green chemistry while offering superior performance at an affordable price.

## Key **GREEN** chemistry principles of Azooka Fluros



Designing Safer Chemicals



Biohazard Waste Prevention



Real-Time Pollution Protection



Less Hazardous Chemical Synthesis



Safer Chemistry For Accident Prevention

# For scientists by scientists

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## Save costs by going **GREEN**

- Safe disposal - Eco-flours can be directly disposed into water systems
- Zero toxicity
- No PPE required
- Spillage carries zero risk
- Zero cell damage
- Seamless compatibility with all existing gel documentation, (RT)-qPCR, and LAMP systems

	Pico-Green	Tinto Rang
Reagent cost	10ul @ 6079₹ 1ul per sample @ 608₹	100ul concentrate @ 1,999₹ 1ul concentrate per sample @19.99₹
Absorption media - Toxic waste disposal	20L Capacity charcoal filter @ 2,685₹ 0.1L per gel 13.4₹ per gel	0
Biohazard waste bag	4₹ / Piece	0
Overhead disposal cost	Hazardous waste collection and disposal fees	0
Total cost per sample / gel	625.4₹ ++	19.99₹

# tinto rang™



## Product Information

tinto rang™ is an eco-fluorophore for visualizing DNA & RNA. It is a food-grade safe Minor Groove Binder that does not distort DNA structures as seen with intercalating DNA stains such as Ethidium Bromide and SYBR group of dyes.



## Why tinto rang™?

### Superior performance and ease of use

- Compatibility with all existing gel documentation, (RT)qPCR, and LAMP systems
- 100x more sensitive than SYBR Safe
- Stable for up to 150 days at room temperature
- No PCR inhibition

### Relegate bio-hazard disposal costs to the past

- CE certified food grade safe dye
- Safe disposal - Eco-flours can be directly disposed into waster water systems
- No PPE required
- Spillage carries zero risk

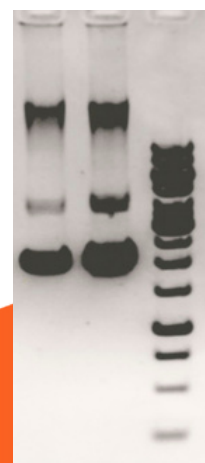


Fig. 2: Plasmid DNA stained with tinto rang™  
Lane 1: 500ng DNA  
Lane 2: 600ng DNA  
Lane 3: 1kb Ladder stained with tinto rang™

## Ordering Information

Cat. No.	Product Name	Unit Size	Price
AZ0015	tinto rang™ DNA	1 x 500µL	
	tinto rang™ RNA	1 x 500µL	

Supplied as 10,000x concentrate in DMSO

# KALAM FLUOR

## Product Information

Kalam Fluor is an eco-fluorophore protein gel stain for rapid colorimetric protein band detection. Instantly view intensely colored green fluorescent bands under UV illumination. Kalam Fluor is an equal alternative to Coomassie Brilliant Blue R-250 and is compatible with all existing gel documentation systems.

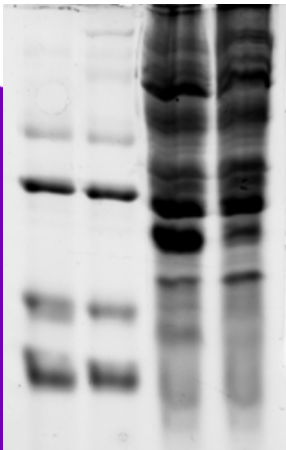


Fig. 3: Protein bands stained with Kalam Fluor

## Product Features

- Detection time: 1-5 min
- Sensitivity: Matches Coomassie R-250
- Proteins can not be further processed for blotting or sequencing after staining

## Ordering Information

Cat. No.	Product Name	Unit Size	Price
AZ0015	tinto rang™ DNA	1 x 500µL	
	tinto rang™ RNA	1 x 500µL	

Supplied as 10,000x concentrate in DMSO

# ANO STAIN



## Product Information

Conveniently visualize live cells with ANO eco-fluorophore, the only food-grade safe nuclear stain. ANO is a cell membrane-permeant dye that binds to AT-rich minor groove DNA. Store at room temperature.



## Product Features

- Zero Toxicity
  - 100% safe for scientist & cell
  - No damage to cell
- Zero Anti-fade
  - 48-hour photostability
  - Does not require any anti-fade agents
- Zero Background signal
  - Fluorescence in the visible range
  - Only increases fluorescence when bound to DNA

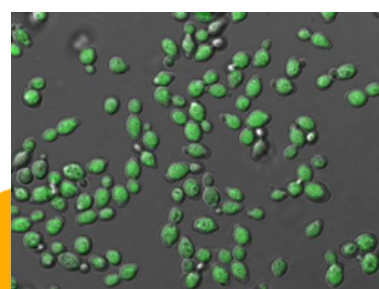


Fig. 2: Yeast cell and nuclei stained with ANO

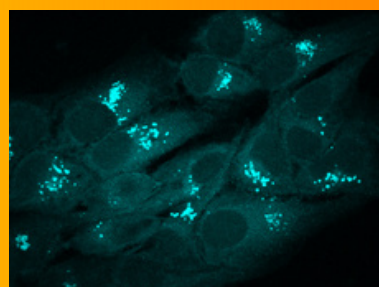


Fig. 1 HeLa cells stained with ANO

## Ordering Information

Cat. No.	Product Name	Unit Size	Price
AZ0015	tinto rang™ DNA	1 x 500µL	
	tinto rang™ RNA	1 x 500µL	

Supplied as 10,000x concentrate in DMSO



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