

Product	Manufacturer	Cost	Cost per gel	toxicity	Storage considerations	Disposal Considerations?	Other comments
EtBr	Sigma (Many)	£40.80 for 10ml, 10mg/ml	10 µl per 100ml gel. £0.04 + tea bag cost (find out)+ disposal cost.	R22, R26, R68 Highly toxic, frameshift mutagen	Room temperature, exclude light,	Dispose of by clinical waste. Contaminated surfaces must be treated to be made safe. Waste buffer must be decontaminated with carbon bags.	Additional costs - £135 100ml EtBr Destroyer Spray for workplace decontamination
GelRed	Bioscience	£1187.00 for 10ml, 10,000x soln	3 µl per 100ml gel. £0.35.	Possible Irritant		Not toxic to environment – Disposal to normal wate	
RedSafe	Intron Biotechnology Ltd / Chembio	£105 for 1ml, 20,000x soln	5 µl per 100ml gel. £0.53.	Irritant		Not toxic to environment – Disposal to normal wate	Can be visualised under UV and visible light (490nm). More sensitive than EtBr at <5µg DNA conc.
Ultrasafe Blue	Syngene	£50 for 1ml soln	10 µl per 100ml gel. £0.50.	Irritant		Not toxic to environment – Disposal to normal wate	Claimed 20x sensitivity increase compared to EtBr
SafeView	NS Biologicals	£175 – 5ml	10 µl per 100ml gel £0.35	Irritant	4 degrees, Hygroscopic	Not toxic to environment – Disposal to normal wate	Can be visualised under UV and visible light (490nm). Post staining possible.
SYBR safe	Life technologies	£44.50 - 400					Can be visualised under UV and visible light (470-530nm).

SYBR safe link: <http://www.invitrogen.com/site/us/en/home/Products-and-Services/Applications/DNA-RNA-Purification-Analysis/Nucleic-Acid-Gel-Electrophoresis/DNA-Stains/SYBR-Safe.html>

Safeview links: