



AviTri™

Cat. No.: A12410

1 ml

Cat. No.: A12411

5 ml

Store at 4-8 °C

Component	A12410	A12411
Reagent	1 ml	5x 1ml

Description:

AviTri™ is used for loading DNA samples into gel electrophoresis wells and tracking migration during electrophoresis.

See the below table for an estimation of the migration distance of the tracking dyes contained in AviTri™.

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%gel	xylene cyanol (light blue)		Bromophenol blue (dark blue)		Orange G (Orange)	
	TAE	TBE	TAE	TBE	TAE	TBE
0.8	5000 bp	3000 bp	800 bp	400 bp	150 bp	<100 bp
1.0	3000 bp	2000 bp	400 bp	250 bp	<100 bp	<100 bp
1.5	1800 bp	1100 bp	250 bp	100 bp	<100 bp	<100 bp
2.0	1000 bp	600 bp	200 bp	<100 bp	<100 bp	<100 bp
2.5	700 bp	400 bp	100 bp	<50 bp	<50 bp	<50 bp

avigene@avigene.ca

Orange G Dye runs faster than Bromophenol blue or Xylene cyanol FF dyes in standard agarose gels.

Orange G dye migrates with DNA between 10 and 20 nucleotides long.

Kit Storage:

Store dye **4-8 °C**.

For long term storage, **-20 °C** is recommended.

Contents:

- Composition 10 mM Tris-HCl (pH 7.6)
- 0.15% orange G
- 0.03% xylene cyanol FF
- 0.03% Bromophenol blue
- 60% glycerol
- 50 mM EDTA

Disclaimers:

AviTri™ is for **Research Use Only** and should only be used by trained professionals.