PippinPrep Cassettes

sage science

Ethidium Bromide vs. Dye Free

	Pros:	Cons:
Ethidium Bromide	• Visualisation of samples running through the optical detector. New users tend to find this useful to see. • Expect comparable performance between EtBr and Dye Free Cassettes for both shear and amplicon samples	• The trace should not be used for analytical purposes. Recommendation is to use a Bioanalyser for reviewing sample traces. • Clean up step is required post size selection to remove EtBr from the sample. • Only have external marker options and thus can only run a maximum of 4 samples per cassette. • Special disposal is required when using EtBr
Dye Free	• Users can typically proceed immediately to downstream processes after size selection clean up step is not necessary. • You have the choice of both internal and external markers. With internal markers it will allow you to run up to 5 samples per cassette. Sage typically expect slightly higher reproducibility and accuracy since each lane has its own reference. Also it is expected that the run time will be slightly faster when using a 1.5% DF cassette vs 1.5% EtBr cassette. • DF cassettes don't require special disposal buffer can be poured down the sink and the body of the cassette can be thrown in normal trash. • Expect comparable performance between EtBr & DF cassette for both shear and amplicon samples	• You can visualize your samples running through the gel as there is no intercalating dye in the cassette. • When using external markers then you only can run a maximum of 4 samples

millennium® science
enabling next-generation research™

1800 678 242
sales@mscience.com.au
www.mscience.com.au