



**DIRECTIONS FOR USE**  
**Wide-Range DNA Molecular Marker**  
*Biotechnology Grade*  
**Code: E273**


**Fragments Generated:**

—	48,502 bp
—	38,416 bp
—	33,498 bp
—	29,946 bp
—	24,508 bp + 23,994 bp ( Doublet )
—	17,053 bp
—	15,004 bp
—	10,086 bp
—	8,454 bp
—	7,639 bp
—	6,369 bp
—	5,686 bp
—	4,822 bp
—	4,324 bp
—	3,675 bp
—	2,323 bp
—	1,929 bp
—	1,503 bp
—	1,371 bp
—	1,264 bp
—	702 bp
—	224 bp
—	117 bp



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**Consult the product label for the concentration of this lot of material.**

1. A 1-2 µl sample can be easily visualized when stained with ethidium bromide.
2. For ideal separation of the larger bands, pulsed field electrophoresis is recommended.
3. The 224 bp and 117 bp bands can be more easily visualized in an overloaded lane, although the largest bands may not be optimally resolved at these higher concentrations.

Every attempt has been made on the part of AMRESCO to modify this DNA mixture to prevent re-annealing of bands. Since no treatment is 100% effective, however, occasionally certain bands may re-anneal over time. This may result in the appearance of a 14,140 bp band with a concurrent decrease in the intensity of the 8,454 bp band and the 5,686 bp band. If a change in the pattern or intensity of any band(s) is seen, simply heat the mixture at 65°C for 10 minutes, prior to loading into the agarose gel.

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