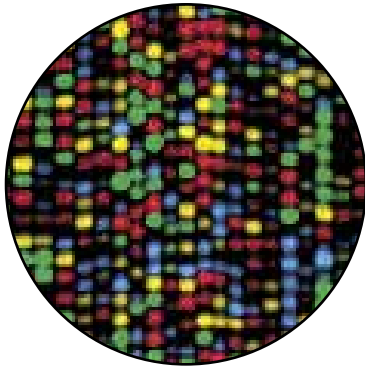


PROTOCOL

TAMRA 500bp ladder



Part Number:	MTK500 TAMRA 500bp ladder, 800 assays @ 0.5 μ l
Version:	2.0
Storage:	+4.0°C in the dark
Related Accessories:	MFK1000, MRK1000, capillary and capillary arrays, plates, combs, spacers, microCLEAN, microLYSIS DNA clean up, cell lysis and purification reagents.

MTK500 is a TAMRA labeled 500nucleotide ladder containing 19 ssDNA fragments from 50 to 500 nucleotides with 25nt spacing. Each fragment appears as a single peak under denaturing conditions. Each vial contains 800 μ l, with a recommended loading of 1 μ l per lane.

MTK500 contains the following sized bands:

70, 80, 90, 100, 120, 140, 160, 180, 190, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 425, 450, 475, 490, and 500 base pairs. All ladders are evaluated for resolution and intensity.

Directions for gels and capillary systems.

1. Combine 1 μ l Ladder, 0.5 μ l tracking dye, 2.5 μ l deionized formamide and 1 μ l to 2 μ l of sample.
2. Vortex, centrifuge, and heat denature at 95°C for 5 minutes, then cool to 4°C.
3. Load 1 μ l to 3 μ l of comined material per lane.

Directions for RapidLoad 2.0 membrane combs for gels:

1. Resuspend ladder, sample, and sample loading buffer in a total reaction volume of 2.0 μ l.
2. Load 0.5 μ l to 1.0 μ l of mixture onto membrane combs, depending on comb lane density.