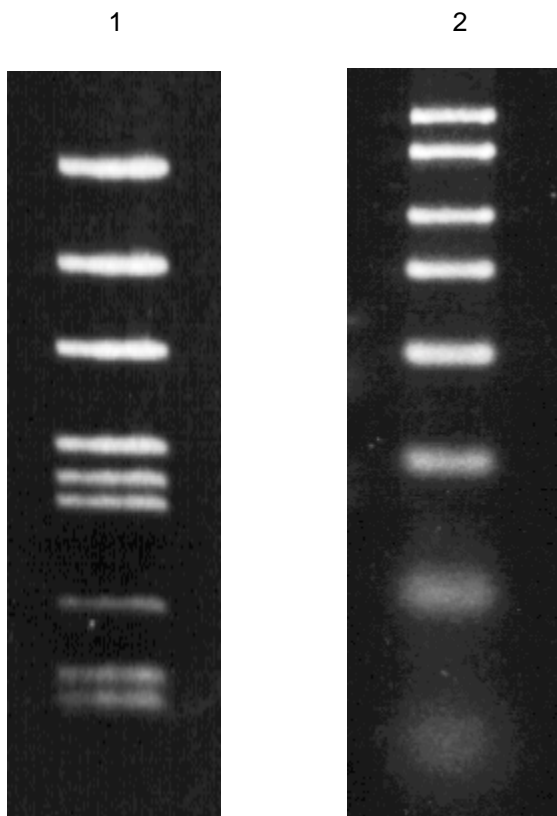


PRODUCT INFORMATION

DNA MicroMarker™ & PCR DNA Marker™ (E840, E854)

AMRESCO now has available two DNA markers that are ideal for use in electrophoresis of PCR products ranging from 2,000 bp to less than 100 bp.

DNA MicroMarker™ is a Hae III digest of pUC18 that provides eleven bands ranging from 587 bp to 11 bp. DNA MicroMarker is provided as 100 µg per tube and needs simply to be added to the appropriate loading dye (Agarose Loading Dye, Code E190 or Glycerol Loading Dye, Code E269) prior to electrophoresis. We recommend loading quantities of 1 µg per well. Figure 1 shows the DNA MicroMarker after electrophoresis in a 15% PAGE-PLUS™ (E562) gel and post-electrophoretic staining in 0.5 µg/ml ethidium bromide (X328/0492). The visible bands are as follows: 587 bp, 458 bp, 434 bp, 298 bp, 267 bp, 257 bp, 174 bp, 102 bp and 80 bp (18 bp and 11 bp bands not shown).



PCR DNA Marker™ is a mixture of DNA fragments providing even banding patterns of uniform intensity that is ideal for most electrophoretic analyses of PCR* products. The PCR DNA Marker yields bands from 2000 bp to as low as 50 bp. Like the DNA MicroMarker, the end user needs simply to add 5 µl of this material to our loading dye solution and proceed with electrophoresis. Figure 2 shows the PCR DNA MicroMarker after electrophoresis in a 3% gel of AMRESCO's Agarose 3:1 High Resolution Blend™ (E776). Bands visible are as follows: 2,000 bp, 1,500 bp, 1,000 bp, 750 bp, 500 bp, 300 bp, 150 bp and 50 bp. Each tube contains enough DNA for 50 gels.

ORDERING INFORMATION:

Description	Code
DNA MicroMarker	E840-100 µg
PCR DNA Marker	E854-50 rxn

* The polymerase chain reaction (PCR) is covered by patents owned by Hoffmann-La Roche Inc.

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