



Genetic Tools and Reagents

DNA Molecular Weight Markers, Unlabeled markers,
Fluorescent dye labeled markers,
chemiluminescent detection markers,
Genotyping, GeneScan & Genetic Analyzer Markers

Omni-Marker™ Unlabeled DNA Molecular Weight Markers

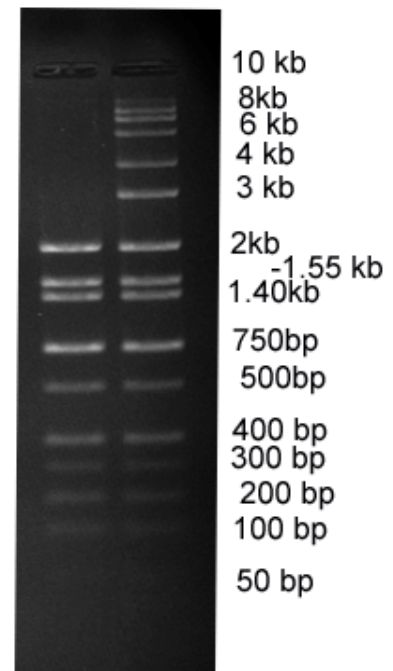
	Catalog No	Description	Quantity*
<input type="checkbox"/>	40-3005-01	Omni-Marker™ Universal unlabeled	100 µl
<input type="checkbox"/>	40-3005-05	Omni-Marker™ Universal unlabeled	500 µl
<input type="checkbox"/>	40-3005-10	Omni-Marker™ Universal unlabeled	1 ml
<input type="checkbox"/>	40-3006-01	Omni-Marker™ Low unlabeled	100 µl
<input type="checkbox"/>	40-3006-05	Omni-Marker™ Low unlabeled	500 µl
<input type="checkbox"/>	40-3006-10	Omni-Marker™ Low unlabeled	1 ml

Shipped at room temperature. Store at -20°C

* Normal recommended loading per lane is 5 µl

Omni-Marker™ Universal and Low are unlabeled DNA markers containing a blend of fragments ranging from 50 base pairs to 10 kb. The universal contains fragments of the following sizes; 10 kb, 8 kb, 6 kb, 4 kb, 3 kb, 2 kb, 1.55, 1.4 kb, 1 kb, 750 bp, 500 bp, 400 bp kb, all the bands and “low” version contains fragments from 50 bp to 2kb. The low Omni-Marker™ is ideal for routine PCR gels. These are ready to load containing BPB/XC dyes. A loading of 5 µl is sufficient per lane.

Omni-Marker™ Universal unlabeled		Omni-Marker™ Low unlabeled	
Fragment Size	Approx. conc.	Fragment Size	Approx. conc.
10 kb	30 ng	2 kb	150 ng
8 kb	30 ng	1.55 kb	100 ng
6 kb	45 ng	1.40 kb	100 ng
4 kb	60 ng	1.00 kb	120 ng
3 kb	85 ng	750 bp	30 ng
2 kb	150 ng	500 bp	60 ng
1.55 kb	100 ng	400 bp	20 ng
1.40 kb	100 ng	300 bp	40 ng
1.00 kb	120 ng	200 bp	30 ng
750 bp	30 ng	100 bp	20 ng
500 bp	60 ng	50 bp	15 ng
400 bp	20 ng		
300 bp	40 ng		
200 bp	30 ng		
100 bp	20 ng		
50 bp	15 ng		



The gel picture shows the fragments obtained by electrophoresing in 1.5% agarose gel. The low and universal Omni-Markers are provided premixed with dye. The marker contains 0.02% sodium azide.

Ordering Information

Omni-Marker™ unlabeled DNA molecular weight markers*

Product	Catalog No.	Size*
Omni-Marker™ Universal unlabeled	40-3005-01	100 µL
Omni- Marker™ Universal unlabeled	40-3005-05	500 µL
Omni-Marker™ Universal unlabeled	40-3005-10	1 mL
Omni- Marker™ Low unlabeled	40-3006-01	100 µL
Omni-Marker™ Low unlabeled	40-3006-05	500 µL
Omni- Marker™ Low unlabeled	40-3006-10	1 mL

* The markers are provided ready to load containing BPB/XC dyes. A loading of 5µl/well is suggested.

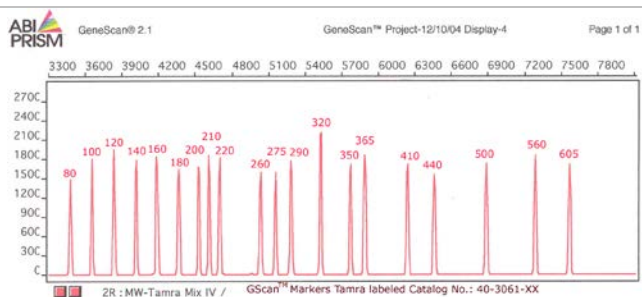
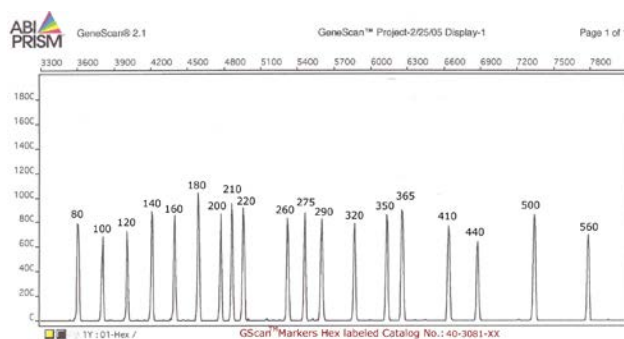
Application: Genetic Analyzer Fluorescent Polymorphism Studies

GScan™ Fluorescent Dye labeled Molecular Weight Markers

Genetic analysis of microsatellites, SNP, allelic discrimination, polymorphic fragment analysis and triple repeat amplification with fluorescent dyes require the parallel co-migration of appropriate molecular weight markers for accurate determination of fragment size.

GScan markers have been especially developed for the above applications. These are supplied ready to load and provide highly consistent fragment sizing.

- Precise Fragment Sizing
- Consistent and Reproducible
- Sharp Sensitive Peaks
- Available with Tamra and Hex Dyes
- Ready to Load



Related Products Ordering Information

Omni-Marker™ dye labeled markers

Product	Catalog No.	Size*
Omni-Marker™ GScan-2 Tamra labeled 50 bp- 600 bp	40-3061-01	100 µL
Omni-Marker™ GScan-2 Tamra labeled 50 bp- 600 bp	40-3061-05	500 µL
Omni-Marker™ GScan-2 Hex labeled 50 bp- 600 bp	40-3081-01	100 µL
Omni-Marker™ GScan-2 Hex labeled 50 bp- 600 bp	40-3081-05	500 µL

*A loading of 0.5µL is suggested.

Loading Buffers

Product	Catalog No.	Size
Loading Buffer 5X BPB/XC non-denaturing	40-3002-01	100 µL
Loading Buffer 5X BPB/XC non-denaturing	40-3002-10	1 mL
Loading Buffer 5X Orange G/XC non-denaturing	40-3004-01	100 µL
Loading Buffer 5X Orange G/XC non-denaturing	40-3004-10	1 mL
Loading Buffer 2X BPB/XC Denaturing for Sequencing	40-5027-01	100 µL
Loading Buffer 2X BPB/XC Denaturing for Sequencing	40-5027-10	1 mL

Buffers & Reagents

Product	Catalog No.	Size
Agarose Tablets, 0.5 gm each	40-3011-10	100 tablets
Agarose LE Molecular Biology Grade	40-3010-10	100 gms
Agarose LE Molecular Biology Grade	40-3010-50	500 gms
Hybwash A, Hybridization Wash Solution	40-5020-20	200 mL
Hybwash B, Hybridization Wash Solution	40-5021-10	100 mL
10x Washing buffer	40-5025-20	200 mL
10% Blocking solution	40-5026-10	100 mL
Seq. Loading buffer	40-5027-00	1 mL
10x AP Detection buffer	40-5031-10	100 mL
Lumisol™ I Hybridization Solution; contains formamide	40-5022-20	200 mL
Lumisol™ II Hybridization Solution; for non-toxic hybridizations	40-5023-20	200 mL
Lumisol™ III Hybridization Solution; for oligo probes	40-5024-20	200 mL

Prices subject to change without notice.

All Gene Link products are for research use only.