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**ATTENTION: Safety Officer**

Per OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC:1005, 1008(1999)] and the latest amendments to the European Union Directive 67/548/EC, the following products do not require a Material Safety Data Sheet (MSDS). The chemical, physical, and toxicological properties of these products may not, as yet, been thoroughly investigated; therefore, we recommend the use of gloves, lab coats, and eye protection when working with these or any chemical reagents. Promega assumes no liability for damage resulting from handling or contact with these products.

Last Updated: June 21, 2004

**M-N-O**

M105 T4 RNA Ligase  
M1051 T4 RNA Ligase, 500u  
M107 T4 RNA Ligase 10X Buffer  
M1241 aTaq DNA Polymerase (100u)  
M1245 aTaq DNA Polymerase (500u)  
M1248 aTaq DNA Polymerase (2500u)  
M166 Taq DNA Polymerase, Storage Buffer B  
M1661 Taq DNA Polymerase in Storage Buffer B, 100u  
M1662 Taq DNA Polymerase in Storage Buffer B, 500u (5 x 100u)  
M1663 Taq DNA Polymerase in Storage Buffer B, 12,500u (25 x 500u)  
M1664 Taq DNA Polymerase in Storage Buffer B, 12,500u (125x100u)  
M1665 Taq DNA Polymerase in Storage Buffer B, 500u  
M1666 Taq DNA Polymerase in Storage Buffer B, 2,500u (25 x 100u)  
M1667 Taq DNA Polymerase in Storage Buffer B, 2,500u (5 x 500u)  
M1668 Taq DNA Polymerase in Storage Buffer B, 2,500u  
M1669 Taq DNA Polymerase in Storage Buffer B, 12,500u (5 x 2500u)  
M168 Taq DNA Polymerase, Gelatin-Free, 10X Buffer  
M1681 Taq DNA Polymerase 10X Buffer w/MgCl<sub>2</sub>, 750ul  
M1691 rec A Protein, 200ug  
M170 M-MLV Reverse Transcriptase  
M1701 M-MLV Reverse Transcriptase, 10,000u  
M1702 M-MLV Reverse Transcriptase, 50,000u (5 X 10,000u)  
M1705 M-MLV Reverse Transcriptase, 50,000u  
M1706 M-MLV Reverse Transcriptase, 250,000u (5 X 50,000u)  
M172 Lambda Terminase 10X Buffer  
M174 AgarACE®  
M1741 AgarACE®, 25u  
M1742 AgarACE®, 125u (5 X 25u)  
M1743 AgarACE®, 500u  
M1744 AgarACE® Trial Size, 5u  
M179 T4 DNA Ligase (HC)  
M1794 T4 DNA Ligase (HC), 500u  
M180 T4 DNA Ligase  
M1801 T4 DNA Ligase, 100u  
M1802 T4 DNA Ligase, 500u (5 X 100u)  
M1804 T4 DNA Ligase, 500u  
M181 Exonuclease III  
M1811 Exonuclease III, 5,000u  
M1812 Exonuclease III, 25,000u (5 X 5,000u)  
M1815 Exonuclease III, 25,000u  
M182 Alkaline Phosphatase, Calf Intestinal  
M1821 Alkaline Phosphatase Calf Intestinal, 1,000u  
M1822 Alkaline Phosphatase, Calf Intestinal, 5,000u (5 x 1000u)  
M183 Alkaline Phosphatase 10X Buffer  
M1831 Alkaline Phosphatase 10X Buffer  
M1833 CIAP Buffer Pack  
M184 Tth Pyrophosphatase  
M186 Taq DNA Polymerase  
M1861 Taq DNA Polymerase in Storage Buffer A, 100u  
M1862 Taq DNA Polymerase in Storage Buffer A, 500u (5 x 100u)

M1863 Taq DNA Polymerase in Storage Buffer A, 12,500u (25 x 500u)  
M1864 Taq DNA Polymerase in Storage Buffer A, 12,500u (125 X100u)  
M1865 Taq DNA Polymerase in Storage Buffer A, 500u  
M1866 Taq DNA Polymerase in Storage Buffer A, 2,500u (25 x 100u)  
M1867 Taq DNA Polymerase in Storage Buffer A, 2500u (5 x 500u)  
M1868 Taq DNA Polymerase in Storage Buffer A, 2500u  
M1869 Taq DNA Polymerase in Storage Buffer A, 12,500u (5 x 2500u)  
M187 Terminal Deoxynucleotidyl Transferase  
M188 Taq DNA Polymerase, 10X Buffer  
M1881 Taq DNA Polymerase 10X Buffer, w/MgCl<sub>2</sub>, 750ul  
M1882 Taq DNA Polymerase 10X Buffer, w/15mM MgCl<sub>2</sub>, 3ml  
M1883 Taq DNA Polymerase 10X Buffer, w/15mM MgCl<sub>2</sub>, 25ml  
M190 Taq 10X Buffer w/o Mg  
M1901 Thermophilic DNA Poly. 10X Reaction Buffer, 3ml  
M1902 Thermophilic DNA Poly. 10X Reaction Buffer, 25ml  
M191 Taq 10X Buffer w/o Mg  
M192 Tth 10X Buffer w/o Mg  
M194 Tfi DNA Polymerase  
M1941 Tfi DNA Polymerase, 100u  
M1942 Tfi DNA Polymerase, 500u (5 X 100u)  
M1945 Tfi DNA Polymerase, 1,000u  
M1946 Tfi DNA Polymerase, 5,000u (5 x 1,000u)  
M195 DNA Polymerase 10X Buffer  
M196 Tfi 10X Reaction Buffer  
M197 MgSO<sub>4</sub>, 25mM  
M198 RQ1 DNase Reaction Buffer 10X  
M199 RQ1 DNase Stop Solution  
M200 Tfi 10X Reaction Buffer  
M203 Sequencing Grade Taq DNA Polymerase  
M2031 Sequencing Grade Taq DNA Polymerase, 100u  
M2032 Sequencing Grade Taq DNA Polymerase, 500u  
M2035 Sequencing Grade Taq DNA Polymerase, 500u  
M2036 Sequencing Grade Taq DNA Polymerase, 2,500u  
M2037 Sequencing Grade Taq DNA Polymerase, 2,500u  
M2038 Sequencing Grade Taq DNA Polymerase, 2,500u  
M2039 Sequencing Grade Taq DNA Polymerase, (5 X 2,500u)  
M205 DNA Polymerase I  
M2051 DNA Polymerase I, 500u  
M2052 DNA Polymerase I, 2,500u (5 x 500u)  
M2055 DNA Polymerase I, 2,500u  
M209 T7 DNA Polymerase  
M210 Tth DNA Polymerase  
M2101 Tth DNA Polymerase, 100u  
M2102 Tth DNA Polymerase, 500u  
M2105 Tth DNA Polymerase, 500u  
M2106 Tth DNA Polymerase, 2,500u (5 X 500u)  
M211 Tth DNA Polymerase 10X Buffer  
M212 MnCl<sub>2</sub> Solution, 10mM  
M213 RT 10X Buffer  
M214 Chelate 10X Buffer  
M217 RNase ONE™ 10X reaction buffer  
M218 Klenow Fragment  
M2181 Klenow frag. Exo minus, 100u  
M2182 Klenow frag. Exo minus, 500u (5 x 100u)  
M2185 Klenow frag. Exo minus, 1000u  
M220 DNA Polymerase I Large (Klenow) Fragment  
M2201 DNA Polymerase I Large (Klenow) Fragment, 150u  
M2202 Klenow Fragment, 750u (5 x 150u)  
M2205 Klenow Fragment, 300u  
M2206 Klenow Fragment, 500u  
M2661 Taq DNA Polymerase in Storage Buffer B, 100u, Rxn Bfr w/MgCl  
M2665 Taq DNA Polymerase in Storage Buffer B, 500u, Rxn Bfr w/MgCl  
M2668 Taq DNA Polymerase in Storage Bfr B, 2500u, Rxn Bfr w/MgCl<sub>2</sub>  
M282 Alkaline Phosphatase, Calf Intestine, (HC)  
M2825 Alkaline Phosphatase Calf Intestinal (HC), 1,000u  
M285 Topoisomerase I  
M2851 Topoisomerase I, 200u  
M2852 Topoisomerase I, 1,000u  
M2861 Taq DNA Polymerase in Storage Buffer A, 100u, Rxn Bfr w/MgCl  
M2865 Taq DNA Polymerase in Storage Buffer A  
M2868 Taq DNA Polymerase in Storage Bfr A, 2500u, Rxn Bfr w/MgCl<sub>2</sub>  
M289 ImProm-II™ 5X Reaction Buffer  
M300 GoTaq® DNA Polymerase  
M3001 GoTaq® DNA Polymerase, 100u  
M3005 GoTaq® DNA Polymerase, 500u  
M3008 GoTaq® DNA Polymerase, 2500u  
M301 Single-Strand DNA Binding Protein  
M3011 Single-Stranded DNA Binding Protein, 100ug  
M3012 Single-Stranded DNA Binding Protein, 500ug  
M310 E. coli RNA Polymerase  
M314 ImProm-II™ Reverse Transcriptase

M319 Sequencing Grade Tne DNA Polymerase  
M317 GoTaq® Flexi DNA Polymerase  
M3171 GoTaq® Flexi DNA Polymerase  
M3175 GoTaq® Flexi DNA Polymerase  
M3178 GoTaq® Flexi DNA Polymerase  
M3191 OmniBase® Sequencing Enzyme 20ul, 20 Reactions  
M3195 OmniBase® Sequencing Enzyme 100ul, 100 Reactions  
M368 M-MLV RT RNase H (-), Point Mutant  
M3681 M-MLV RT RNase H (-), Point Mutant  
M3682 M-MLV RT RNase H (-), Point Mutant  
M3683 M-MLV RT RNase H (-), Point Mutant  
M380 M-MLV RT RNase H (-), Point Mutant  
M410 T4 Polynucleotide Kinase  
M4101 T4 Polynucleotide Kinase, 100u  
M4102 T4 Polynucleotide Kinase, 500u  
M4103 T4 Polynucleotide Kinase, 1,000u  
M411 Nuclease Bal 31  
M421 T4 DNA Polymerase  
M4211 T4 DNA Polymerase, 100u  
M4212 T4 DNA Polymerase, 500u  
M4215 T4 DNA Polymerase, 500u  
M426 RNase ONE™ Ribonuclease  
M4261 RNase ONE™ Ribonuclease, 1000u  
M428 RNase H  
M4281 RNase H, 50u  
M4282 RNase H, 100u  
M4285 RNase H, 250u  
M431 Mung Bean Nuclease  
M4311 Mung Bean Nuclease  
M451 EcoR I Methylase  
M4511 EcoR I Methylase, 10,000u  
M4512 EcoR I Methylase, 50,000u (5 x 10,000u)  
M510 AMV Reverse Transcriptase  
M5101 AMV Reverse Transcriptase, 300u  
M5102 AMV Reverse Transcriptase, 1,500u (5 x 300u)  
M5108 AMV Reverse Transcriptase, 1,000u  
M515 Reverse Transcriptase 5X Reaction Buffer  
M530 M-MLV Reverse Transcriptase, RNase H Minus  
M531 M-MLV RT 5X Buffer  
M5301 M-MLV Reverse Transcriptase, RNase H Minus  
M5305 M-MLV Reverse Transcriptase, RNase H Minus  
M5313 M-MLV Reverse Transcriptase Buffer Pack  
M566 TaqBead™  
M5661 TaqBead™ Hot Start Polymerase 1.25u/bead, Nonbarrier  
M5761 S1 Nuclease, 10,000u  
M5762 S1 Nuclease, 50,000u  
M577 S1 Nuclease 10X Reaction Buffer  
M610 RQ1 RNase-Free DNase  
M6101 RQ1 RNase-Free DNase, 1,000u  
M6102 RQ1 RNase-Free DNase, 5,000u (5 x 1000u)  
M710 Tli DNA Polymerase  
M7101 Tli DNA Polymerase, 50u  
M7102 Tli DNA Polymerase, 250u  
M711 Go Taq Green Master Mix  
M7111 Go Taq Green Master Mix 10 reactions  
M7112 Go Taq Green Master Mix 100 reactions  
M7113 Go Taq Green Master Mix 1000 reactions  
M7121 Go Taq® Green Master Mix, 10 reactions  
M7122 Go Taq® Green Master Mix, 100 reactions  
M7123 Go Taq® Green Master Mix, 1000 reactions  
M750 PCR Master Mix (2X)  
M7501 PCR Master Mix (2X), 10 rxs  
M7502 PCR Master Mix (2X), 100 rxs  
M752 siLentGene™ PCR Master Mix  
M7505 PCR Master Mix (2X), 1000 rxs  
M7660 PCR Core System I, 200rxs  
M7665 PCR Core System II, 200rxs  
M7670 Subcloning Application Pack  
M7680 DNA Recovery Application Pack  
M7681 DNA Recovery Application Pack  
M7700 5' End Labeling Application Pack  
M7721 Reverse Transcription Value Pack I  
M7731 Reverse Transcription Value Pack II  
M774 Pfu DNA Polymerase  
M7741 Pfu DNA Polymerase, 100u  
M7745 Pfu DNA Polymerase, 500u  
M775 Pfu 10X Reaction Buffer w/ 20mM MgCl2  
M776 Pfu 10X Reaction Buffer w/ 20mM MgSO4  
M791 5X Green GoTaq™ Reaction Buffer  
M7911 5X Green GoTaq™ Reaction Buffer, 20ml

M792 5X Colorless GoTaq™ Reaction Buffer  
M7921 5X Colorless GoTaq™ Reaction Buffer, 20ml  
M815 T7 Gene 6 Exonuclease  
M820 Shrimp Alkaline Phosphatase  
M8201 SAP (Shrimp Alkaline Phosphatase)  
M8206 SAP (Shrimp Alkaline Phosphatase)  
M821 10X Shrimp Alkaline Phosphatase Buffer  
M8221 LigaFast™ Rapid DNA Ligation System  
M8225 LigaFast™ Rapid DNA Ligation System  
M8226 LigaFast™ Rapid DNA Ligation System  
M828 Terminal Deoxynucleotidyl Transferase (rec.)  
M829 Go Taq®Flexi DNA Polymerase  
M8291 Go Taq®Flexi DNA Polymerase 100u  
M8295 Go Taq®Flexi DNA Polymerase 500u  
M8296 Go Taq®Flexi DNA Polymerase 2500 u  
M8297 Go Taq®Flexi DNA Polymerase 5000u  
M8298 Go Taq®Flexi DNA Polymerase 10,000u  
M830 Go Taq®Flexi DNA Polymerase (Truncated Version)  
M8301 Go Taq®Flexi DNA Polymerase 100u  
M8305 Go Taq®Flexi DNA Polymerase 500u  
  
M8306 Go Taq®Flexi DNA Polymerase 2500u  
M8307 Go Taq®Flexi DNA Polymerase 5000u  
M8308 Go Taq®Flexi DNA Polymerase 10,000u  
M900 AMV Reverse Transcriptase (HC)  
M9004 AMV Reverse Transcriptase (HC), 600u  
M942 EcoR I Methylase 10X Buffer  
M947 S-adenosyl-L-Methionine  
M9661 Taq DNA Polymerase in Storage Buffer B, 62,500 (625 X 100u)  
M9662 Taq DNA Polymerase in Storage Buffer B, 62,500 (125 X 500u)  
M9663 Taq DNA Polymerase in Storage Buffer B, 62,500 (25 X 2500u)  
M9861 Taq DNA Polymerase in Storage Buffer A, 62,500u (625 X100u)  
M9862 Taq DNA Polymerase in Storage Buffer A, 62,500u (125 X500u)  
M9863 Taq DNA Polymerase in Storage Buffer A, 62,500u (25 X2500u)  
M9910 TSAP Thermosensitive Alkaline Phosphatase, 10u  
M9912 TSAP Thermosensitive Alkaline Phosphatase, 100u  
MD101 AluQuant® Master Mix  
MD1101 Y Chromosome Deletion Detection System, Version 1.1  
MD111 Multiplex A Master Mix  
MD112 Multiplex B Master Mix  
MD113 Multiplex C Master Mix  
MD114 Multiplex D Master Mix  
MD115 Male Genomic DNA. (<.1%)  
MD1200 READIT® Interrogation Module  
MD1220 READIT® System Verification Module  
MD123 READIT® Master Mix  
MD1250 READIT® Instrument Set-Up and Calibration Module  
MD1240 READIT® Calculator  
MD1290 READIT® SNP Genotyping System  
MD141 Alcohol Wash, Blood  
MD1411 Alcohol Wash, Blood, 70ml  
MD1412 Alcohol Wash, Blood, 120ml  
MD142 Elution Buffer, Blood  
MD1421 Elution Buffer, Blood  
MD1451 MagneSil® PMP's- Fixed Yield  
MD147 MagneSil® KF PMPs  
MD1471 MagneSil® KF, Paramagnetic Particles, 40ml  
MD1531 Y Chromosome Deletion Detection System, Version 2.0  
MD154 MultiPlex A Master Mix  
MD155 MultiPlex B Master Mix  
MD156 MultiPlex C Master Mix  
MD157 MultiPlex D Master Mix  
MD158 MultiPlex E Master Mix  
MD 1631 Y Chromosome AZF Analysis System  
MD1641 Microsatellite Instability Analysis System, Version 1.1  
MD172 MSI 10X Primer Pair Mix  
N211 RNasin® RNase Inhibitor  
N2111 RNasin® RNase Inhibitor, 2,500u  
N2112 RNasin® RNase Inhibitor, 10,000u (4 X 2,500u)  
N2113 RNasin® RNase Inhibitor, 20,000u (2 X 10,000u)  
N2114 RNasin® RNase Inhibitor, 60,000u (6 X 10,000u)  
N2115 RNasin® RNase Inhibitor, 10,000u  
N231 Animal Injectible Grade Recombinant RNasin® Ribonuclease Inhibitor  
N2312 Animal Injectible Grade rRNasin® RNase Inhibit, 10ku  
N2313 Animal Injectible Grade rRNasin® RNase Inhibit.,20ku  
N2314 Animal Injectible Grade rRNasin® RNase Inhibit.,60ku  
N251 rRNasin® RNase Inhibitor  
N2511 rRNasin® RNase Inhibitor, 2,500u  
N2512 rRNasin® RNase Inhibitor, 10,000u (4 x 2,500u)  
N2513 rRNasin® RNase Inhibitor, 20,000u (2x10,000u)  
N2514 rRNasin® RNase Inhibitor, 60,000u (6 x 10,000u)

N2515	rRNasin® RNase Inhibitor, 10,000u
N261	RNasin® Plus RNase Inhibitor
N2611	RNasin® Plus RNase Inhibitor, 2500u
N2615	RNasin® Plus RNase Inhibitor, 10,000u