

Алматы (7273)495-231	Иваново (4932)77-34-06	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Тверь (4822)63-31-35
Ангарск (3955)60-70-56	Ижевск (3412)26-03-58	Москва (495)268-04-70	Ростов-на-Дону (863)308-18-15	Тольятти (8482)63-91-07
Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
Астрахань (8512)99-46-04	Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Самара (846)206-03-16	Тула (4872)33-79-87
Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Саранск (8342)22-96-24	Тюмень (3452)66-21-18
Белгород (4722)40-23-64	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Санкт-Петербург (812)309-46-40	Ульяновск (8422)24-23-59
Благовещенск (4162)22-76-07	Кемерово (3842)65-04-62	Ноябрьск (3496)41-32-12	Саратов (845)249-38-78	Улан-Удэ (3012)59-97-51
Брянск (4832)59-03-52	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Севастополь (8692)22-31-93	Уфа (347)229-48-12
Владивосток (423)249-28-31	Коломна (4966)23-41-49	Омск (3812)21-46-40	Симферополь (3652)67-13-56	Хабаровск (4212)92-98-04
Владикавказ (8672)28-90-48	Кострома (4942)77-07-48	Орел (4862)44-53-42	Смоленск (4812)29-41-54	Чебоксары (8352)28-53-07
Владимир (4922)49-43-18	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Сочи (862)225-72-31	Челябинск (351)202-03-61
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Ставрополь (8652)20-65-13	Череповец (8202)49-02-64
Вологда (8172)26-41-59	Курск (4712)77-13-04	Петрозаводск (8142)55-98-37	Сургут (3462)77-98-35	Чита (3022)38-34-83
Воронеж (473)204-51-73	Курган (3522)50-90-47	Псков (8112)59-10-37	Сыктывкар (8212)25-95-17	Якутск (4112)23-90-97
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81		Тамбов (4752)50-40-97	Ярославль (4852)69-52-93

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www.sigmaaldrich.nt-rt.ru | | scx@nt-rt.ru

Технические характеристики на материалы для ПЦР и амплификации

компании **Sigma-Aldrich**

Виды товаров: наборы для полногеномной амплификации, стратегии амплификации целого генома одной клетки, материалы для полной амплификации транскриптома, наборы для амплификации ДНК и РНК, ПЦР-термоциклеры и мини-циклеры для амплификации ДНК, ПЦР-планшеты, стриппы и пленки, наконечники для пипеток для ПЦР и наконечники с фильтром, прямая ПЦР, ПЦР с горячим стартом, ДНК-полимераза КОД и мастер-микс, реагенты мастер-микса для количественной ПЦР, RT-PCR и RT-qPCR: индивидуальные олигонуклеотиды и зонды, ДНКаза, наборы, мастер-миксы, праймеры и др.

Life Science Products

TRIS-RO

Tris base

=99.9% (titration), abs., 100 mg/mL, 300 nm \leq 0.015



11332465001

TWEEN® 20

non-ionic, aqueous solution, 10% (w/v)



STREPWELL-RO

StreptaWell™ (transparent 96-well)

pkg of 5 plates (11664778001 [12 x 8 well strips and frame]), pkg of 15 plates (11734776001 [96 wells])



10800058001

Storage Box

capacity 50 wells, pkg of 1 ea, for tubes, 0.5 - 2 mL



11667289001

Sodium Dodecyl Sulfate (SDS)

anionic, electrophoresis grade



11685929001

Guanidine thiocyanate

Whole Genome Amplification



The availability of sufficient quantities of genomic DNA is crucial for numerous analyses used in the study of human and animal disorders. In many cases, the DNA source is limited, or the available DNA is damaged or degraded, preventing the researcher from performing crucial analyses. Our Whole Genome Amplification (WGA) product line provides a robust and accurate method of amplifying nanogram quantities of starting material into microgram yields with minimal allele drop out. We continue to our WGA product line to offer you a

range of solutions for whole genome amplification from a variety of starting material, including buccal swabs, fresh tissue samples, frozen tissue samples, blood cards, peripheral blood and formalin-fixed, paraffin-embedded (FFPE) tissues. The WGA technology allows immortalization of a limited sample providing researchers with the capability to perform all desired analyses on one DNA sample.

WHOLE GENOME AMPLIFICATION (WGA) KITS

Genomic testing and characterization have become an important tool for understanding biological systems. Often, such analysis is hampered by the number of samples to be examined and the availability of sufficient quantities of genomic DNA. This is particularly a problem for rare and archived sources of DNA. The GenomePlex® Whole Genome Amplification (WGA) kits have been developed for use as a high-throughput system for the rapid and highly representative, amplification of genomic DNA from trace amounts of starting material.

The GenomePlex® WGA kits utilize a proprietary amplification technology based upon random fragmentation of genomic DNA and conversion of the resulting small fragments to PCR-amplifiable OmniPlex® Library molecules flanked by universal priming sites. The OmniPlex® library is then amplified using universal oligonucleotide primers and a limited number of cycles. The GenomePlex® WGA kits require nanogram quantities of genomic DNA with yields of 5-10 µg following PCR. This system is suitable with a variety of purified DNA samples including whole blood, blood cards, buccal swabs, plant sources, and formalin-fixed, paraffin-embedded tissue samples.

SINGLE CELL WHOLE GENOME AMPLIFICATION STRATEGIES

The GenomePlex® Single Cell Whole Genome Amplification Kit (WGA4) is designed to amplify the genome of a single cell resulting in a million-fold amplification yielding microgram quantities of genomic DNA. Traditional single cell whole genome amplification methods yield insufficient quantities with significant biased representation. However, the GenomePlex® technology provides amplification efficiency with WGA DNA Polymerase. The Single Cell WGA kit includes all the reagents necessary for cell lysis and subsequent whole genome amplification.

The Single Cell WGA kit has been validated with numerous downstream applications and is suitable for amplification from a variety of sources including plant, polycarbonate fixed cells, lymphocytes, renal cancer cells, epithelial cells, leukemia cells, and fibroblast amniotic cells. The amplified genome is compatible with many downstream applications including comparative genomic hybridization (CGH), microsatellite/STR analysis, SNP analysis, QPCR, and other genotyping analysis.

WHOLE TRANSCRIPTOME AMPLIFICATION

Whole transcriptome amplification (WTA) kits have been developed to generate sufficient transcript targets from minute amounts of RNA. Successful WTA requires accurate replication of representative transcripts present in a sample – without dropout or bias of specific mRNAs. Our WTA kits provide an accurate, fast and simple method of amplifying total RNA from a variety of sources including blood, fixed and frozen tissue, cell culture, FACS sorted cells, plants and microorganisms. Additionally, the WTA (**WTA1**, **WTA2**, **SeqR**) kits provide rapid amplification of total RNA in less than 4 hours without

3'-bias. Amplified RNA (cDNA) is suitable for qPCR, micro array analysis, and traditional cloning. For additional information, please visit our **WTA1**, **WTA2**, or **SeqR** product pages.

SEQPLEX-I DNA AND RNA AMPLIFICATION KITS FOR ILLUMINA® NEXT GENERATION SEQUENCING

The SeqPlex-I DNA and RNA Amplification Kits for whole genome amplification (WGA) and whole transcriptome amplification (WTA) are designed to facilitate Illumina® next-generation sequencing (NGS) from extremely small quantities or degraded/highly fragmented DNA and RNA. Both the WGA and WTA kits utilize a proprietary technology based on random priming of genomic DNA or RNA and conversion of the resulting small fragments to PCR amplifiable library molecules flanked by universal priming sites. The SeqPlex-I WGA and WTA kits allow easy amplification of limited starting samples for convenient direct input onto Illumina® NGS flow cells, enabling you to accelerate your next big discovery.

WTA2

Complete Whole Transcriptome Amplification Kit

DNA polymerase included, Complete Kit with optimized enzyme to amplify total RNA in <4 hours, no 3' bias



WGA2

GenomePlex® Complete Whole Genome Amplification (WGA) Kit

Optimized kit with enzyme for amplifying a variety of DNA including FFPE tissue



WGA4

GenomePlex® Single Cell Whole Genome Amplification Kit

Amplify genome of a single cell



WGA3

GenomePlex® WGA Reamplification Kit

Reamplification of WGA product with minimal bias



WGA1

GenomePlex® Whole Genome Amplification (WGA) Kit

Kit for whole genome amplification from a variety of DNA sources including FFPE tissue



SEQXE

SeqPlex DNA Amplification Kit

For use with high throughput sequencing technologies, Whole Genome Amplification kit designed to facilitate Next Gen Sequencing.



SEQR

SeqPlex RNA Amplification Kit

For use with high throughput sequencing technologies



SEQXI

SEQPLEX-I WGA Kit

Whole Genome Amplification, DNA Amplification



SEQRI

SEQPLEX-I WTA Kit

Whole Transcriptome Amplification, RNA Amplification



WTA I

TransPlex® Whole Transcriptome Amplification Kit

DNA polymerase separate.

PCR Supplies & Equipment



The polymerase chain reaction (PCR) is a powerful core molecular biology technique. It is an efficient and rapid *in vitro* method for enzymatic amplification of specific DNA or RNA sequences from nucleic acids of various sources. A simple PCR reaction consists of a set of synthetic oligonucleotide primers that flank the target DNA sequence, target DNA, a thermostable DNA polymerase and dNTPs. A repetitive series of cycles involving template denaturation, primer annealing, followed by extension of the annealed primers, yields tremendous amounts of DNA. Because the strands synthesized in one cycle serve as a template in the next, a million-fold increase in the DNA amount is achieved in just 20 cycles. From PCR microplates, plate covers, pipette tips, PCR tubes, and thermocyclers, explore our comprehensive offering of PCR consumables and equipment to support every step of your PCR workflow.

PCR THERMOCYCLERS AND MINI CYCLERS FOR DNA AMPLIFICATION

A **thermal cycler** (also known as a PCR machine or thermocycler) is a laboratory instrument that heats and cools samples in repetitive cycles to facilitate DNA or RNA amplification through the polymerase chain reaction. These machines have become commonplace in labs, although the introduction of mini or portable thermal cyclers has made it easier to perform PCR reactions in the field and classroom. Many thermal cyclers are programmable and allow users to save frequently used protocols. PCR typically requires 20 to 35 cycles comprising two to three temperature steps (denaturation, annealing, and extension).

Combining speed, flexibility, and PCR optimization, the Eppendorf® Mastercycler Thermocyclers are suitable for enhanced PCR functions, like the 2D-Gradient and thorough documentation capabilities. Additionally, we also offer Benchmark Scientific TC models of thermocyclers that are designed for lower throughput needs, while maintaining the same functionality and a lower price point compared to larger units.

Additionally, discover a variety of additional PCR plate seals, including eXTReme™ plate seals, ThermalSeal RTST™ plate seals, and AlumaSeal® PCR plate seals to accommodate your PCR workflow needs.

PCR PLATES, STRIPS AND FILMS

With **BRAND® PCR products** you can protect your samples from contamination and evaporation. Cleanroom production, high-quality raw materials, and seamless quality controls by accredited laboratories ensure consistently high standards for cleanliness. Sealing films and covers made to fit plates and tubes significantly reduce evaporation loss and allow for reliable analyses, even with small sample volumes. BRAND® PCR consumable materials are always free from DNase, DNA, RNase, and endotoxins. We also offer **Eppendorf® twin-tec PCR plates** that combine the advantages of using both polypropylene and polycarbonate materials while the **Corning® Thermowell PCR 96 well plates** are suitable for the majority of thermocyclers and ideal for high-throughput automation.

PCR PIPETTE TIPS AND FILTER TIPS

Explore a variety of reliable pipet tips, including market-leaders such as **ART® pipet tips** in our product selection table. In addition, BRAND® pipette tips and filter tips are manufactured in a cleanroom under the most modern production conditions and are automatically rack packed and packaged to ensure that the tips are of consistently high quality. **BRAND® pipette tips** and filter tips are manufactured with high-purity polypropylene, free from DiHEMDA, oleamide, DNA (< 40 fg), RNase (< 8.6 fg), endotoxins (< 1 pg) and ATP (< 1 fg). Additionally, we are proud to offer a portfolio of Eppendorf® products such as Eppendorf pipette tips that are used for liquid handling applications. They are useful for speed processing and avoiding cross-contamination. We offer a broad range of **Eppendorf® pipette tips** for niche applications according to the volume capacities, sterile and non-sterile demands as well as racking. Furthermore, Axygen consumables include not only pipette tips but also a variety of microplate options to match your specific application needs.

Z376418

Agilent Technologies/Stratagene PCR microtubes
capacity 0.2 mL , with attached caps



Z377910

Agilent Technologies/Stratagene PCR microtubes
pkg of



Z376426

Agilent Technologies/Stratagene PCR microtubes
capacity 0.2 mL



A2350

AlumaSeal® II film

non-sterile



T4816

Clear-view™ Snap-Cap microtubes

capacity 1.5 mL, natural, low retention



T4691

Clear-view™ Snap-Cap microtubes

capacity 0.6 mL



T2441

Clear-view™ Snap-Cap microtubes

capacity 0.6 mL, natural



L4662

Laser Cryo-Tags® sidewall

white, L × W 0.5 in. × 0.25 in.



L5164

Laser Tough-Tags™

L × W 1 5/8 in. × 5/8 in.



R6901

PCR 96 Well rack

assorted colors



R7276

PCR 96 Well rack

green



R7026

PCR 96 Well rack

natural



R7151

PCR 96 Well rack

blue



Z374903

PCR multiwell plates

96 well plate for PCR



Z369683

ThermalSeal® films, classic

sterile, ThermalSeal® Film, Sterile, polypropylene, 100 pack



Z369675

ThermalSeal® films, classic

non-sterile, ThermalSeal® film, non-sterile, polypropylene, 100 pack



Z359092

Tough-Tags™ microcentrifuge tube labels

size 0.94 in. × 0.50 in., clear



Z359106

Tough-Tags™ microcentrifuge tube labels

L × W 0.94 in. × 0.50 in., white

PCR Reagents & Kits



PCR stands for Polymerase Chain Reaction and is a mainstay of virtually every molecular biology lab. PCR is an easy and affordable method for amplifying specific fragments of DNA by several orders of magnitude. We have specialized kits for a variety of PCR, qPCR, and RT-PCR applications throughout your PCR workflow. Additionally, explore our comprehensive offering of PCR-related resources, including the **Standard PCR Protocol** and **PCR Master Mix Calculator tool**.

- **Direct PCR**
- **Hot Start PCR**
- **KOD DNA Polymerase and Master Mix**
- **Roche PCR, qPCR, RT-PCR, and RT-qPCR Reagents, Protocols, and Resources**
- **LuminoCt™, KiCqStart®, and JumpStart™ Quantitative PCR (qPCR) Master Mix Reagents**
- **RT-PCR and RT-qPCR: Custom Oligos and Probes, DNase, Kits, Master Mixes, Primers, & More**

DIRECT PCR

Direct PCR is a technique that allows scientists to go directly from plant, tissue, or cell culture samples to PCR without DNA isolation or purification steps. The elimination of these laborious extra steps provides tremendous time and resource savings for improved sustainability. Our **Extract-N-Amp™ PCR kits** are unique as they deliver a combined extraction and amplification process for plant, tissue, and blood sample assays. By incorporating a “lyse & go” method, Extract-N-Amp™ PCR removes the requirement for columns or long enzymatic sample purification. Our direct PCR kits come with the reagents, enzymes, and proprietary buffers that are required to quickly extract and amplify targets of interest from a variety of plant, blood, and tissue samples.

HOT START PCR

Hot Start PCR is a technique that inhibits Hot Start Taq polymerase activity or the incorporation of modified dNTPs during reaction set up until a heat activation step occurs. **Hot Start PCR** allows for reaction set up at room temperature without non-specific

amplification and primer dimer formation. Discover our wide selection of Hot Start PCR enzymes including KOD, FastStart™, JumpStart™, and KAPA Biosystems reagents. For additional information on Hot Start PCR reagents and product information, please navigate the product selection table to meet your Hot Start PCR needs.

KOD DNA POLYMERASE AND MASTER MIX

KOD DNA Polymerase is an ultra-high-fidelity, thermostable DNA polymerase. Numerous independent studies have also verified the superior high-fidelity of KOD DNA Polymerase compared to other thermophilic polymerases. In addition to a low mutation frequency, the fast extension rate and high processivity of KOD polymerase results in higher yields of full-length product in fewer reaction cycles. Combined, these make KOD DNA polymerases the PCR enzyme of choice when speed and fidelity matter. Explore our new **KOD One™ PCR Master Mix**, a ready-to-use 2x PCR master mix containing a novel, genetically modified KOD DNA polymerase (UKOD), along with a new elongation accelerator, enabling fast PCR with an extension time of 5 sec/kb for template DNA <10kb.

ROCHE PCR, QPCR, RT-PCR, AND RT-QPCR REAGENTS, PROTOCOLS, AND RESOURCES

In order to advance your molecular biology research, it is critical to maximize the efficiency of your workflow in a multitude of areas including, genomics, proteomics, and cellular analyses. As a pioneer in genomics and PCR technology, Roche's complete suite of reagents and kits are optimized to reduce hands-on time at the bench, expedite data acquisition and the creation of key tools to test the most challenging of biological hypotheses. With a mutual drive for product quality and scientific excellence, our partnership allows us to bring Roche products to you, so the answers are there when you need them, wherever your work takes you. Explore all **Roche PCR-related reagents and protocols** on the **Roche Products and Molecular Solutions** resource page.

LUMINOCT™, KICQSTART®, AND JUMPSTART QUANTITATIVE PCR (QPCR) MASTER MIX REAGENTS

Quantitative PCR (qPCR) uses the linearity of DNA amplification to determine absolute or relative amounts of a known sequence in a sample. By using a fluorescent reporter in the reaction, it is possible to measure DNA generation in real time. Based on a highly optimized ReadyMix™ chemistry, LuminoCt™ delivers unsurpassed assay speeds without sacrificing accuracy, precision, or sensitivity. LuminoCt™ works seamlessly with most qPCR instruments, so optimization of reaction conditions is kept to an absolute minimum. Often, users can simply choose their kit, build their assay, and begin. Generating the best possible qPCR data has never been faster or easier.

KiCqStart® ReadyMix™ reagents are ready-to-use, highly sensitive master mixes containing all the basic components for qPCR or RT-qPCR. Simply add your primers, probe and water to complete the assay cocktail. Add the cocktail to tubes or plates and then add your template. The KiCqStart® ReadyMix™ reagents are compatible with conventional or fast PCR mode. For more details, see product usage information at **KiCqStart® Probe qPCR ReadyMix™** or **KiCqStart® One-Step Probe RT-qPCR ReadyMix™** reagents. Additionally, the JumpStart Taq ReadyMixes provide a convenient solution for conventional qPCR experiments. The JumpStart Taq antibody delivers antibody-inactivated hot-start PCR which prevents non-specific product formation. Suitable for SYBR® Green and probe-based

detection methods, the product line features options for optimization and offer compatibility with tube-, plate-, and capillary-based instruments. For additional information, please explore our additional SYBR® Green based qPCR reagents and resources.

RT-PCR AND RT-QPCR: CUSTOM OLIGOS AND PROBES, DNASE, KITS, MASTER MIXES, PRIMERS, & MORE

RT-PCR combines two powerful and versatile techniques, reverse transcription and the polymerase chain reaction to generate and amplify cDNA from total RNA or mRNA transcripts. The method is often used to study gene expression at both the RNA and protein levels. The ideal RT-PCR requires a sensitive reverse transcription and a high-fidelity amplification. The reverse transcriptase should be able to detect very low abundance transcripts and/or transcripts containing difficult secondary structure. Our enhanced Avian (eAMV™) Reverse Transcriptase displays all of these characteristics. It is the ideal RT for detecting low abundance messages that may be missed by other reverse transcriptases and it is the best enzyme we have found for transcribing through difficult secondary structure. It is also more tolerant to elevated temperatures than standard AMV, M-MLV, M-MLV RNase H- or AMV RNase H reduced.

For additional recipe calculators and unit converter tools, please visit our **Calculators and Applications resource hub page**.

71004-M

10mM dNTP Mix

Qualified for enzymatic DNA synthesis



D4788

2'-Deoxyadenosine 5'-triphosphate sodium salt solution

100 mM, pH 7



D6920

2'-Deoxyadenosine 5'-triphosphate sodium salt solution

10 mM



D4913

2'-Deoxycytidine 5'-triphosphate disodium salt

100 mM (pH 7)



D7170

2'-Deoxyguanosine 5'-triphosphate trisodium salt solution

10 mM in H₂O



D5038

2'-Deoxyguanosine 5'-triphosphate trisodium salt solution

100 mM (pH 7)



D0184

2'-Deoxyuridine 5'-triphosphate sodium salt solution

100 mM in H₂O



D5782

2',3'-Dideoxycytidine

≥98% (HPLC)



D8783

7-Deaza-2'-deoxyguanosine 5'-triphosphate lithium salt

10 mM in H₂O



D8045

AccuTaq™ LA DNA Polymerase

High fidelity Taq enzyme, with 10X buffer & DMSO



A6559

Adenosine 5'-triphosphate disodium salt solution

Crystalline ATP, HPLC purified, aqueous solution for RNA transcription



B0300

Betaine solution

5 M, PCR Reagent



S6576

ChIP Next Gen Seq Sepharose™



WTA2

Complete Whole Transcriptome Amplification Kit

DNA polymerase included, Complete Kit with optimized enzyme to amplify total RNA in <4 hours, no 3' bias



C8552

Cytidine 5'-triphosphate disodium solution

HPLC purified, aqueous solution for RNA polymerase transcription



D7295

Deoxynucleotide Mix, 10 mM

Molecular Biology Reagent



DNTP10

Deoxynucleotide Set, 10 mM

Individual dNTPs for routine PCR; 0.5 mL each



DNTP100

Deoxynucleotide Set, 100 mM

Individual dNTPs for routine PCR; 0.25 mL each

- DNTP100A
Deoxynucleotide Set, 100 mM
Individual dNTPs for routine PCR; 1 mL each
- 69830
DL-Lactonitrile
≥97.0% (T)
- AMPD1
DNase I
Amplification Grade
- STR1
Enhanced Avian First Strand Synthesis Kit
Components for cDNA synthesis with enhanced AMV reverse transcriptase
- HSRT100
Enhanced Avian HS RT-PCR Kit
Flexible kit for one-step or two-step RT-PCR
- A4464
Enhanced Avian Reverse Transcriptase [eAMV™ RT]
For reverse transcription at higher temperatures & rare mRNAs
- XNAB2
Extract-N-Amp™ Blood PCR Kit
sufficient for 100 extractions, sufficient for 100 amplifications
- XNAB2R
Extract-N-Amp™ Blood PCR Kit
sufficient for 1000 extractions, sufficient for 1000 amplifications
- E3004
Extract-N-Amp™ PCR ReadyMix™
Amplifications to support Extract-N-Amp Plant and Extract-N-Amp Tissue
- P8115
Extract-N-Amp™ PCR ReadyMix™ for Blood
12 mL sufficient for 1000 amplifications
- XNAP2
Extract-N-Amp™ Plant PCR Kit
sufficient for 100 extractions, sufficient for 100 amplifications
-

XNAP2E

Extract-N-Amp™ Plant PCR Kit

sufficient for 100 extractions, sufficient for 500 amplifications



XNAR

Extract-N-Amp™ Plant PCR Kit

sufficient for 1000 extractions, sufficient for 1000 amplifications



XNAS2

Extract-N-Amp™ Seed PCR Kit

sufficient for 100 extractions, sufficient for 100 amplifications



XNAT2

Extract-N-Amp™ Tissue PCR Kit

sufficient for 100 extractions, sufficient for 100 amplifications



XNAT2R

Extract-N-Amp™ Tissue PCR Kit

sufficient for 1000 extractions, sufficient for 1000 amplifications



HRC1

Human Random Control DNA Panel

Panel 1



HRC2

Human Random Control DNA Panel

Panel 2



HRC4

Human Random Control DNA Panel

Panel 4



HRC5

Human Random Control DNA Panel

Panel 5



PIR00

Inhibitor Resistant Genotyping PCR ReadyMix™

for Bio-Rad, Cepheid, Eppendorf, Illumina, Corbett, and Roche systems



PIR02

Inhibitor Resistant Genotyping PCR ReadyMix™, ROX™

with ROX for ABI instruments

D5809

JumpStart™ AccuTaq™ LA DNA Polymerase

Hot-start high fidelity Taq enzyme, 10X buffer included



D1313

JumpStart™ REDAccuTaq® LA DNA Polymerase

Long and accurate hot-start Taq with inert dye, 10X buffer included



D8187

JumpStart™ REDTaq® DNA Polymerase

Hot-start Taq enzyme with inert dye, 10X buffer included



A7721

JumpStart™ Taq Antibody

Adds hot-start capabilities to any Taq DNA Polymerase



D9307

JumpStart™ Taq DNA Polymerase

with MgCl₂



D4184

JumpStart™ Taq DNA Polymerase

without MgCl₂



D6442

JumpStart™ Taq ReadyMix™ for High Throughput Quantitative PCR

Ready-to-use 2x mix for qPCR with ROX



D7440

JumpStart™ Taq ReadyMix™ for Quantitative PCR

For probe-based real-time PCR



KCQS07

KiCqStart® One-Step Probe RT-qPCR ReadyMix™

for Bio-Rad, Cepheid, Eppendorf, Illumina, Corbett, and Roche systems



KCQS08

KiCqStart® One-Step Probe RT-qPCR ReadyMix™, Low ROX™

with Low ROX for ABI and Stratagene instruments



KCQS09

KiCqStart® One-Step Probe RT-qPCR ReadyMix™, ROX™

with ROX for ABI instruments



KCQS04

KiCqStart® Probe qPCR ReadyMix™

for Bio-Rad, Cepheid, Eppendorf, Illumina, Corbett, and Roche systems



KCQS05

KiCqStart® Probe qPCR ReadyMix™, Low ROX™

with Low ROX for ABI and Stratagene instruments



KCQS06

KiCqStart® Probe qPCR ReadyMix™, ROX™

with ROX for ABI instruments



KCQS00

KiCqStart® SYBR® Green qPCR ReadyMix™

For Bio-Rad, Cepheid, Eppendorf, Illumina, Corbett, and Roche systems



KCQS02

KiCqStart® SYBR® Green qPCR ReadyMix™

with ROX™ for ABI instruments



KCQS01

KiCqStart® SYBR® Green qPCR ReadyMix™

Low ROX™, for ABI and Stratagene instruments



KCQS03

KiCqStart® SYBR® Green qPCR ReadyMix™

iQ™, with fluorescein for Bio-Rad systems



71085

KOD DNA Polymerase

High fidelity DNA polymerase designed for accurate PCR amplification of DNA templates for general cloning and cDNA amplification applications.



71086

KOD Hot Start DNA Polymerase

High fidelity DNA polymerase designed for accurate PCR amplification of long strand and GC- rich DNA templates for cloning and cDNA amplification applications.

71842

KOD Hot Start Master Mix

Ready-to-use 2X mixture, containing KOD Hot Start DNA Polymerase, two monoclonal antibodies, ultrapure deoxynucleotides, and reaction buffer with MgSO₄, optimized for convenient high fidelity PCR., ready-to-use solution, suitable for PCR



KMM-101NV

KOD One™ PCR Master Mix

Ready-to-use 2X hot-start PCR master mix with a modified KOD DNA polymerase optimized for ultra-fast and convenient high-fidelity PCR



KMM-201NV

KOD One™ PCR Master Mix -BLUE-

Ready-to-use 2X hot-start PCR master mix with a modified KOD DNA polymerase optimized for ultra-fast and convenient high-fidelity PCR



71975-M

KOD Xtreme Hot Start DNA Polymerase

Ultra high fidelity dnapolymerase designed for the most challenging PCR applications including: crude sample PCR, amplification of long strand and highly GC-rich DNA templates.



L6669

LuminoCt® qPCR ReadyMix™

For fast probe-based quantitative PCR



M1302

M-MLV Reverse Transcriptase

Moloney Murine Leukemia Virus enzyme & buffer for cDNA synthesis



M8570

Methylated Control DNA

50 ng/μL



M8662

Mineral oil

PCR Reagent



D7442

MTP™ Taq DNA Polymerase

Taq DNA Polymerase, free of DNA contaminants



MIRAP00979

MystiCq® microRNA qPCR Assay Primer

hsa-miR-3679-3p



MIRAP00942

MystiCq® microRNA qPCR Assay Primer

hsa-miR-3613-3p



MIRAP00863

MystiCq® microRNA qPCR Assay Primer

hsa-miR-3130-5p



MIRAP01001

MystiCq® microRNA qPCR Assay Primer

hsa-miR-4275



MIRAP00964

MystiCq® microRNA qPCR Assay Primer

hsa-miR-3665



MIRAP00068

MystiCq® microRNA qPCR Assay Primer

hsa-miR-27b-3p



MIRAP00926

MystiCq® microRNA qPCR Assay Primer

hsa-miR-3195



MIRAP00059

MystiCq® microRNA qPCR Assay Primer

hsa-miR-25-3p



MIRAP00003

MystiCq® microRNA qPCR Assay Primer

hsa-let-7a-2-3p



MIRAP01050

MystiCq® microRNA qPCR Assay Primer

hsa-miR-4423-3p



MIRAP00004

MystiCq® microRNA qPCR Assay Primer

hsa-let-7b-5p

MIRAP00003

MystiCq® microRNA qPCR Assay Primer

hsa-let-7a-2-3p



MIRAP01050

MystiCq® microRNA qPCR Assay Primer

hsa-miR-4423-3p



MIRAP00004

MystiCq® microRNA qPCR Assay Primer

hsa-let-7b-5p



MIRAP00014

MystiCq® microRNA qPCR Assay Primer

hsa-let-7i-3p



MIRAP00005

MystiCq® microRNA qPCR Assay Primer
hsa-let-7b-3p



MIRAP00056

MystiCq® microRNA qPCR Assay Primer
hsa-miR-24-3p



MIRAP00035

MystiCq® microRNA qPCR Assay Primer
hsa-miR-18a-3p



MIRAP00015

MystiCq® microRNA qPCR Assay Primer
hsa-miR-1



MIRAP00006

MystiCq® microRNA qPCR Assay Primer
hsa-let-7c



MIRAP00072

MystiCq® microRNA qPCR Assay Primer
hsa-miR-29a-3p



MIRAP00016

MystiCq® microRNA qPCR Assay Primer
hsa-miR-7-5p



MIRAP00007

MystiCq® microRNA qPCR Assay Primer
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MIRAP00047

MystiCq® microRNA qPCR Assay Primer
hsa-miR-21-5p



MIRAP00025

MystiCq® microRNA qPCR Assay Primer
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MIRAP00074

MystiCq® microRNA qPCR Assay Primer
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MIRAP00088

MystiCq® microRNA qPCR Assay Primer
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MIRAP00043

MystiCq® microRNA qPCR Assay Primer
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MIRAP00070

MystiCq® microRNA qPCR Assay Primer
hsa-miR-28-3p



MIRAP01138

MystiCq® microRNA qPCR Assay Primer
hsa-miR-4633-5p



MIRAP00050

MystiCq® microRNA qPCR Assay Primer
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MIRAP00399

MystiCq® microRNA qPCR Assay Primer
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MIRAP00594

MystiCq® microRNA qPCR Assay Primer
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MIRAP00625

MystiCq® microRNA qPCR Assay Primer
hsa-miR-634



MIRAP00617

MystiCq® microRNA qPCR Assay Primer
hsa-miR-628-3p



MIRAP00039

MystiCq® microRNA qPCR Assay Primer
hsa-miR-19a-5p



MIRAP01129

MystiCq® microRNA qPCR Assay Primer
hsa-miR-4531



MIRAP00002

MystiCq® microRNA qPCR Assay Primer

hsa-let-7a-3p



MIRAP00172

MystiCq® microRNA qPCR Assay Primer

hsa-miR-141-3p



MIRAP00149

MystiCq® microRNA qPCR Assay Primer

hsa-miR-130a-3p



MIRAP01091

MystiCq® microRNA qPCR Assay Primer

hsa-miR-4484



MIRAP00139

MystiCq® microRNA qPCR Assay Primer

hsa-miR-125b-1-3p



MIRAP00118

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hsa-miR-128



MIRAP00114

MystiCq® microRNA qPCR Assay Primer

hsa-miR-99a-5p



MIRAP00077

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hsa-miR-29c-3p



MIRAP00174

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MIRAP00080

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hsa-miR-30a-3p



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hsa-miR-130a-5p



MIRAP00094

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MystiCq® microRNA qPCR Assay Primer

hsa-miR-222-3p



MIRAP00204

MystiCq® microRNA qPCR Assay Primer

hsa-miR-181a-5p



MIRAP00237

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hsa-miR-195-3p



MIRAP00290

MystiCq® microRNA qPCR Assay Primer

hsa-miR-299-5p



MIRAP00323

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hsa-miR-210



MIRAP00336

MystiCq® microRNA qPCR Assay Primer

hsa-miR-346



MIRAP00404

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hsa-miR-449c-3p



MIRAP00381

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hsa-miR-410

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hsa-miR-134



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MIRAP00142

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MIRAP00305

MystiCq® microRNA qPCR Assay Primer

hsa-miR-320b



MIRAP00413

MystiCq® microRNA qPCR Assay Primer
hsa-miR-455-3p



MIRAP00461

MystiCq® microRNA qPCR Assay Primer
hsa-miR-511



MIRAP00375

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hsa-miR-381



MIRAP00328

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MIRAP00424

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MIRAP00266

MystiCq® microRNA qPCR Assay Primer
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MystiCq® microRNA qPCR Assay Primer
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MIRAP00362

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MIRAP00351

MystiCq® microRNA qPCR Assay Primer
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MIRAP00396

MystiCq® microRNA qPCR Assay Primer
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MIRAP00730

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MystiCq® microRNA qPCR Assay Primer
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MIRAP00073

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MIRAP00360

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MIRAP00262

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MIRAP00336

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hsa-miR-346



MIRAP00404

MystiCq® microRNA qPCR Assay Primer
hsa-miR-449c-3p



MIRAP00381

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hsa-miR-410



MIRAP00448

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MIRAP00276

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MystiCq® microRNA qPCR Assay Primer

hsa-miR-370



MIRAP00378

MystiCq® microRNA qPCR Assay Primer

hsa-miR-384



MIRAP00236

MystiCq® microRNA qPCR Assay Primer

hsa-miR-195-5p



MIRAP00315

MystiCq® microRNA qPCR Assay Primer

hsa-miR-325



MIRAP00379

MystiCq® microRNA qPCR Assay Primer

hsa-miR-409-3p



MIRAP00368

MystiCq® microRNA qPCR Assay Primer

hsa-miR-378a-5p



MIRAP00256

MystiCq® microRNA qPCR Assay Primer

hsa-miR-204-5p



MIRAP00352

MystiCq® microRNA qPCR Assay Primer

hsa-miR-372



MIRAP00831

MystiCq® microRNA qPCR Assay Primer

hsa-miR-2113



MIRAP00759

MystiCq® microRNA qPCR Assay Primer

hsa-miR-1246



MIRAP00371

MystiCq® microRNA qPCR Assay Primer

hsa-miR-379-5p



MIRAP00132

MystiCq® microRNA qPCR Assay Primer

hsa-miR-122-5p



MIRAP00353

MystiCq® microRNA qPCR Assay Primer

hsa-miR-373-3p



MIRAP00122

MystiCq® microRNA qPCR Assay Primer

hsa-miR-103a-3p

MIRAP00435

MystiCq® microRNA qPCR Assay Primer

hsa-miR-494



MIRAP00402

MystiCq® microRNA qPCR Assay Primer

hsa-miR-449b-3p



MIRAP00414

MystiCq® microRNA qPCR Assay Primer
hsa-miR-455-5p



MIRAP00365

MystiCq® microRNA qPCR Assay Primer
hsa-miR-377-3p



MIRAP00401

MystiCq® microRNA qPCR Assay Primer
hsa-miR-449b-5p



MIRAP00918

MystiCq® microRNA qPCR Assay Primer
hsa-miR-3187-3p



MIRAP00928

MystiCq® microRNA qPCR Assay Primer
hsa-miR-3197



MIRAP00361

MystiCq® microRNA qPCR Assay Primer
hsa-miR-376a-3p



MIRAP00436

MystiCq® microRNA qPCR Assay Primer
hsa-miR-495



MIRAP00034

MystiCq® microRNA qPCR Assay Primer
hsa-miR-18a-5p



MIRAP00422

MystiCq® microRNA qPCR Assay Primer
hsa-miR-486-5p



MIRAP00455

MystiCq® microRNA qPCR Assay Primer
hsa-miR-508-3p



MIRAP00780

MystiCq® microRNA qPCR Assay Primer
hsa-miR-1270



MIRAP00428

MystiCq® microRNA qPCR Assay Primer
hsa-miR-490-3p



MIRAP00408

MystiCq® microRNA qPCR Assay Primer
hsa-miR-451a



MIRAP00387

MystiCq® microRNA qPCR Assay Primer
hsa-miR-423-3p



MIRAP00468

MystiCq® microRNA qPCR Assay Primer
hsa-miR-514a-3p



MIRAP00740

MystiCq® microRNA qPCR Assay Primer
hsa-miR-1207-5p



MIRAP00393

MystiCq® microRNA qPCR Assay Primer
hsa-miR-429



MIRAP00462

MystiCq® microRNA qPCR Assay Primer
hsa-miR-512-3p

MIRAP00397

MystiCq® microRNA qPCR Assay Primer
hsa-miR-432-3p



MIRAP00472

MystiCq® microRNA qPCR Assay Primer
hsa-miR-515-5p



MIRAP00409

MystiCq® microRNA qPCR Assay Primer
hsa-miR-452-5p



MIRAP00599

MystiCq® microRNA qPCR Assay Primer
hsa-miR-614



MIRAP00574

MystiCq® microRNA qPCR Assay Primer

hsa-miR-589-5p



MIRAP00544

MystiCq® microRNA qPCR Assay Primer

hsa-miR-559



MIRAP00601

MystiCq® microRNA qPCR Assay Primer

hsa-miR-615-5p



MIRAP00696

MystiCq® microRNA qPCR Assay Primer

hsa-miR-885-3p



MIRAP00670

MystiCq® microRNA qPCR Assay Primer

hsa-miR-708-3p



MIRAP00663

MystiCq® microRNA qPCR Assay Primer

hsa-miR-671-3p



MIRAP00399

MystiCq® microRNA qPCR Assay Primer

hsa-miR-448



MIRAP00594

MystiCq® microRNA qPCR Assay Primer

hsa-miR-608



MIRAP00625

MystiCq® microRNA qPCR Assay Primer

hsa-miR-634



MIRAP00617

MystiCq® microRNA qPCR Assay Primer

hsa-miR-628-3p



MIRCP00007

MystiCq® microRNA qPCR Control Primer

SNORD48



MIRCP00001

MystiCq® microRNA qPCR Control Primer
RNU6-1



MIRCP00011

MystiCq® microRNA qPCR Control Primer
SNORD68



MIRCP00012

MystiCq® microRNA qPCR Control Primer
SNORD85



MIRCP00008

MystiCq® microRNA qPCR Control Primer
SCARNA17



MIRCP00004

MystiCq® microRNA qPCR Control Primer
SNORD43

MIRCP00005

MystiCq® microRNA qPCR Control Primer
SNORD44



MIRCP00002

MystiCq® microRNA qPCR Control Primer
SNORA73A



MIRCP00003

MystiCq® microRNA qPCR Control Primer



MIRCP00013

MystiCq® microRNA qPCR Control Primer
Rat U87



MIRUP

MystiCq® Universal PCR Primer



N9784

Neutralization Solution for Blood

sufficient for 100 reactions, sufficient for 1000 reactions, for molecular biology



71003-M

Nova Taq DNA Polymerase

Ultrapure recombinant enzyme for dependable PCR amplification

71091
Nova Taq Hot Start DNA Polymerase
Heat-activatable modified form of recombinant *Taq* DNA polymerase

O4387
Oligo(dT)₂₃, Anchored
70 µM in H₂O

CORET
PCR Core kit with Taq DNA polymerase
PCR components in separate tubes to allow for optimization

QR0200
Quantitative RT-PCR ReadyMix™
One step RT-qPCR for probe-based methods, MMLV & hot-start Taq

P4600
ReadyMix™ Taq PCR Reaction Mix
with MgCl₂

RDRT
ReadyScript® cDNA Synthesis Mix
Complete reagent for first strand cDNA synthesis for RT-qPCR

D4812
REDAccuTaq® LA DNA Polymerase
High fidelity Taq with inert dye, 10X buffer included

XNABS
REExtract-N-Amp™ Blood PCR Kit
sufficient for 10 extractions, sufficient for 10 amplifications

XNAB
REExtract-N-Amp™ Blood PCR Kit
sufficient for 100 extractions, sufficient for 100 amplifications

XNABR
REExtract-N-Amp™ Blood PCR Kit
sufficient for 1000 extractions, sufficient for 1000 amplifications

R4775
REExtract-N-Amp™ PCR ReadyMix™
Ready-to-use 2X PCR Master Mix with Loading Dye



P8240

REExtract-N-Amp™ PCR ReadyMix™ for Blood

12 mL sufficient for 1000 amplifications



XNAPE

REExtract-N-Amp™ Plant PCR Kit

sufficient for 100 extractions, sufficient for 500 amplifications

XNAPR

REExtract-N-Amp™ Plant PCR Kit

sufficient for 1000 extractions, sufficient for 1000 amplifications



XNAP

REExtract-N-Amp™ Plant PCR Kit

sufficient for 100 extractions, sufficient for 100 amplifications



XNAPE

REExtract-N-Amp™ Plant PCR Kit

sufficient for 100 extractions, sufficient for 500 amplifications



XNAS

REExtract-N-Amp™ Seed PCR Kit

sufficient for 100 extractions, sufficient for 100 amplifications



XNASS

REExtract-N-Amp™ Seed PCR Kit

sufficient for 10 extractions, sufficient for 10 amplifications



XNAT

REExtract-N-Amp™ Tissue PCR Kit

sufficient for 10 reactions, sufficient for 100 reactions, sufficient for 1000 reactions, hotstart, dNTPs included



D4309

REDTaq® DNA Polymerase

Taq for routine PCR with inert dye, 10X buffer included



D8312

REDTaq® Genomic DNA Polymerase

with MgCl₂



D2812

REDTaq® Genomic DNA Polymerase

without MgCl₂



R2523

REDTaq® ReadyMix™ PCR Reaction Mix

Complete PCR reagent with standard Taq DNA Polymerase and inert dye



D6063

REDTaq® SuperPak™ DNA Polymerase

Taq for routine PCR with inert dye; with 10X buffer & dNTP mix



R1028

Restorase® DNA Polymerase with 10× Reaction Buffer

Enzyme blend for PCR amplification of damaged DNA



S3917

Single-strand Binding Protein from *Escherichia coli*

>95% (SDS-PAGE), for molecular biology, Single strand binding protein to enhance PCR specificity



S4320

SYBR® Green Extract-N-Amp™ PCR ReadyMix™

Amplifications to support Extract-N-Amp Plant and Extract-N-Amp Tissue



XNAPG

SYBR® Green Extract-N-Amp™ Plant PCR Kit

sufficient for 100 preparations



XNATG

SYBR® Green Extract-N-Amp™ Tissue PCR Kit

sufficient for 100 extractions, sufficient for 100 amplifications



XNATRG

SYBR® Green Extract-N-Amp™ Tissue PCR Kit

sufficient for 1000 extractions, sufficient for 1000 amplifications



S4438

SYBR® Green JumpStart™ Taq ReadyMix™

for quantitative PCR, MgCl₂ in buffer



S5193

SYBR® Green JumpStart™ Taq ReadyMix™

for quantitative PCR, without MgCl₂ in buffer



S9194

SYBR® Green JumpStart™ Taq ReadyMix™ for High Throughput qPCR

SYBR® Green qPCR reagent, passive reference dye included

S1816

SYBR® Green JumpStart™ Taq ReadyMix™ for Quantitative PCR, Capillary Formulation

SYBR® Green qPCR reagent for Roche LightCycler® capillary systems



QR0100

SYBR® Green Quantitative RT-qPCR Kit

One step SYBR® Green RT-qPCR with MMLV & hot-start Taq DNA Polymerase



69348-M

T7 Promoter Primer



D4545

Taq DNA Polymerase from *Thermus aquaticus*

with 10× PCR reaction buffer without MgCl₂



D1806

Taq DNA Polymerase from *Thermus aquaticus*

with 10× PCR reaction buffer containing MgCl₂



T7791

Thymidine 5'-triphosphate sodium salt solution

10 mM (pH 7.0)



T9656

Thymidine 5'-triphosphate sodium salt solution

100 mM in H₂O



WTA1

TransPlex® Whole Transcriptome Amplification Kit

DNA polymerase separate.



T3934

TRI Reagent®

LS, For processing fluid samples such as cell suspensions, CSF, and amniotic fluid.



U1006

Uridine 5'-triphosphate trisodium salt solution

HPLC purified, aqueous solution for RNA polymerase transcription

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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Воронеж (473)204-51-73
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Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Липецк (4742)52-20-81

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Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

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Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
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Саратов (845)249-38-78
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Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
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Якутск (4112)23-90-97
Ярославль (4852)69-52-93

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