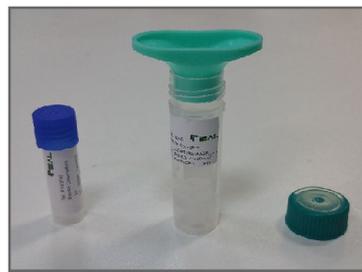


Molecular Biology Guide

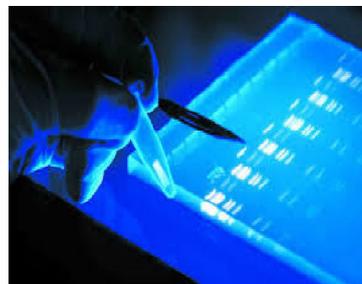
Cell free DNA/ RNA
extraction kit



Transport system for saliva
DNA extraction



Agarose gels with non toxic
nucleic acid staining



What do you need?
Customized solutions



DNA Isolation

	Product	Sample / Volume Sample	When to use
Genomic DNA	REALPURE RBMEG01/02/03	NGS Tested All types of samples: cultured cells, animal tissues, mouse tail, paraffin-embedded tissues, bacteria, yeast, body fluids (saliva, serum, etc), hair, bloodstain. .	Allows to process any sample type. Contact our laboratory for a specific protocol for your sample. Toxic reagents are not used. The method can be scaled. Rapid and inexpensive.
	REALPURE DNA "SSS" RBME02/04	NGS Tested Blood: 5 µl to 10 ml, saliva: 100 µl to 5 ml, semen: 100 µl to 5 ml.	Large volumes of whole blood, saliva and semen. Toxic reagents are not used. The method can be scaled. Rapid and inexpensive.
	REALPURE Saliva RBMEG06	NGS Tested Saliva samples, buccal cell samples via mouth wabs, saliva samples via REAL SALIVA DNA sample collection kit, saliva samples via Oragene saliva collection kit.	Genomic DNA extraction from saliva samples. Toxic reagents are not used. Rapid and inexpensive. Contaminant RNA can be removed with a RNase treatment.
	REAL SALVA Sample Collection RBMESAL01/60	New Desing Saliva: 2ml.	Painless and non-invasive sample collection. Suitable for Next Generation Sequencing. Non toxic solution that allows the storage of saliva at room temperature, preserving the cells without lysing them for a later DNA extraction.
	REALPURE Plants & Fungi RBMEG05	Plants and fungi: 20 mg to 500 mg.	Large samples of plants and fungi. It contains a PVP solution to remove inhibitors. Toxic reagents are not used, the method can be scaled. Rapid and inexpensive.
	REALPURE SPIN MINI/MIDI Circulating DNA	New Plasma, serum or biological fluids: MINI 1000 ul MIDI 2000ul	Fast and safe method for purification and concentration of high purity circulating DNA from fresh or frozen samples with the use of spin columns and a buffer which specially binds small size DNA.
	REALPURE SPIN RBMEGS01/02	NGS Tested All types of samples: cultured cells, animal tissues, mouse tail, paraffin-embedded tissues, bacteria, yeast, body fluids (saliva, serum, etc), hair, bloodstain.	Allows to process any kind of sample. High quality DNA obtained that can be directly used in PCR, Southern, any enzymatic reaction, cloning, etc. .
	REALPURE SPIN Food-Stool RBMEGS05/06	Total DNA from food and stool samples: up to 200 mg.	Low amounts of partially degrade DNA can be purified from complex matrix. Complete removal of PCR inhibitors and detection of specific DNA in animals, or GMO in food products, DNA isolation from fecal specimens.
	REALPURE SPIN Food-Stool "Bacteria" RBMEGS03	Bacterial DNA: 1.5 ml. of medium culture.	To isolate PCR ready bacterial DNA from pre-enrichment or enrichment cultures from different food samples and stool samples. PCR and Real Time PCR ready DNA. Complete removal of PCR inhibitors. Includes Proteinase K and Lysozyme.
	REALPURE SPIN Blood RBMEGS08	NGS Tested Whole blood, serum, plasma, body fluids: 300 µl.	Rapid purification of high-quality, ready to use DNA from blood samples. Complete removal of contaminants and inhibitors for reliable downstream applications.
	REALPURE MicroSPIN RBMEGS10/11	NGS Tested Tissue samples: < 10mg., cultured cells: < 10 ⁵ blood samples: < 100 µl, lasser microdissected tissue: 1	To isolate genomic and mitochondrial DNA from small samples. Complete removal of PCR inhibitors. High quality DNA that can be directly used in PCR, Southern, any enzymatic reaction, cloning, etc.
	REAL FFPE RBMEGS12	NGS Tested Formalin fixed paraffin embedded samples.	To isolate genomic DNA from "FFPE" samples. Low elution volume: 15-30µl. Safe method, avoids the use of xylene or any other toxic reagents.
	REALPURE SPIN Plants & Fungi RBMEGS14	NGS Tested Plants and fungi samples.	Samples of plants and fungi. It contains a PVP solution to remove inhibitors. DNA isolated in just 30 min.
	Viral DNA/RNA	REALPURE SPIN viral DNA/RNA RBMEGS07	200 µl serum, plasma and cell-free biological fluids.

DNA Isolation & Purification

	Product	Sample / Volume Sample	When to use
DNA Fragments	REAL Clean Matrix RBMCM01	PCR fragments. DNA from agarose gel. DNA concentration.	Fast clean-up of PCR products. Fragments extraction from agarose gel 200 pb -10 Kb. Concentration and salts removal of DNA in solutions. Organic solvents are not used, simple and inexpensive method. Protocol is done in 30 minutes.
	REAL Clean Spin RBMCS01/02	PCR fragments. DNA from agarose gel. DNA concentration.	Fast clean-up of PCR products. Fragments extraction from agarose gel 200 pb -10 Kb. Concentration and salts removal of DNA in solutions. Organic solvents are not used. Spin columns. Protocol done in 10 minutes.
	REAL Clean Spin PCR RBMCS03	PCR fragments.	Fast clean-up of PCR fragments 100 bp - 10 Kb. Organic solvents are not used. Spin columns, the protocol is done in 10 minutes.
	REALSPIN DTR RBMS01/01XL	Sequencing reactions: 10 - 75 µl.	Remove dideoxy terminators and not incorporated dye-labelled nucleotides from sequencing reactions, previous to analysis in automatic sequencers. Prehydrated matrix ready to use
	REAL Clean & Concentrator Micro Spin RBMCS04/05	PCR or enzymatic reactions: 10 µl.	Rapid purification and concentration of high-quality DNA from PCR or enzymatic reactions with extremely small elution volume. Specially designed microcolumns. Protocol is done in 2 minutes.
Plasmid DNA	REALPURE miniprep RBMEP01	Culture volume: 1.5-3.0 ml	Very useful in inserts screenings of recombinants bacteria colonies. Fast, simple and inexpensive method. Toxic reagents are not used.
	REALPLASMID SPIN miniprep RBMEPS01/03	Culture volume: 1.5-3.0 ml	Plasmidic DNA can be used in PCR, restriction analysis, subcloning, transforming and sequencing by capillary electrophoresis. Toxic reagents are not used.
	REALPLASMID SPIN midi/maxiprep RBMEPS02	Culture volume: 25 - 150 ml	The customer chooses the size of the bacteria cultures wich he wants to work with. Toxic reagents are not used. Fast and simple method.
	HIGH PURITY REALPLASMID Midi/Maxiprep RBMEPS04/05	MIDI (25ml high-copy plasmids / 100ml low-copy plasmids). MAXI (100ml high-copy plasmids / 500ml low-copy plasmids).	To isolate high purity transfection grade plasmid DNA from bacteria cell lysates. Includes gravity-flow columns and necessary reagents for ultrapure plasmid purification. Includes specialized filters to remove, optional, cellular debris from lysates.
Reagents	REALStock RBMST01/02	Animal tissue samples, cultured cells and bacteria.	Protects and stabilizes genomic DNA for its following extraction. Avoids the need of having to process the samples immediately. An alternative to the use of paraffin.
	DNA REMOVE RD055	Detergent mixture to remove DNA and RNA from working surfaces.	It degrades contaminant DNA and RNA at PCR sensivity levels.
	RNase REMOVE RD056	Removes RNase contamination from glass and plastic material surfaces.	It works by contact and it is supplied with an applicator to be vaporized.
	NUCLEASE FREE WATER RD057/RD058	Water for Molecular Biology applications.	Water for PCR and DNA/RNA isolation. Deionized, autoclaved, filtered and non-treated with DEPC.
	REALSAFE RBMSAFE	Nucleic acid staining solution.	Used for DNA and RNA detection. Non mutagenic, non carcinogenic.
	Agarose gel with REALSAFE	Ready to use agarose gels with REALSAFE. Custom service.	Agarose concentration: 1%, 3%. Measures: 7x10, 10x10, 15x10. Number of wells: 8,12.

New



RNA Isolation

	Product	Sample / Volume Sample	When to use
Total RNA	REALTOTAL RNA Tissues and Cells RBMER01	Tissues: 5 to 100 mg. Cells: 100 to 10x10 ⁶ .	The method can be scaled. Rapid and non-expensive. Toxic reagents are not used.
	REALTOTAL RNA Tissues and Cells "STAR" RBMER02	Tissues: 5 to 100 mg. Cells: 100 to 10x10 ⁶ .	Specially designed for RT-PCR. Includes all the necessary reagents to remove contaminant DNA. Toxic reagents are not used.
	REALTOTAL RNA SPIN PLUS RBMER11	Biological fluids (serum, plasma, saliva, etc), bacteria, yeast, paraffin-embedded tissue and reactions cleaning.	High quality, DNA-free total RNA, is obtained. Total RNA can be used in applications such as RT-PCR, Northern, primer extension, array technology and Rnase protection.
	REALTOTAL RNA Bacteria & Yeast RBMER03	Bacteria: 1 ml ; 10 ⁹ . Yeast: 1ml ; 10 ⁷ .	Rapid and non-expensive.
	REALTOTAL RNA Bacteria & Yeast "STAR" RBMER04	Bacteria: 1 ml ; 10 ⁹ . Yeast: 1ml ; 10 ⁷ .	Specially designed for RT-PCR. Includes all the necessary reagents to remove contaminant DNA. Toxic reagents are not used.
	REALTOTAL RNA SPIN BLOOD RBMER12	Blood: 300 µl.	High quality DNA-free total RNA is obtained. Contains a Stabilizing Solution wich allows a safe transport from the collecting place to the laboratory.
	REALTOTAL RNA SPIN Plants & Fungi RBMER13	Plants and Fungi: <100 mg.	High quality DNA-free total RNA is obtained. Contains a PVP solution to remove carbohydrates and polyphenols and 2 differents Lysis Solutions.
	REALPURE SPIN DNA/RNA Kit RBMER16	Cultured animal cells, tissue samples, blood, bacteria, yeast, fungi, biologicals fluids and plants.	Rapid method for the isolation and purification genomic DNA and total RNA simultaneously from a single sample. The kit purifies all sizes of RNA, from large mRNA and ribosomal RNA down to microRNA and small interfering RNA.
	ARNzol Kit RBMER15	Cultured animal cells, tissue samples, blood, bacteria, yeast, fungi, biologicals fluids and plants.	The kit purifies all sizes of RNA, from large mRNA and ribosomal RNA down to microRNA (miRNA) and small interfering RNA (siRNA). Rapid and very economical method. Does not eliminate genomic DNA.
	REALSTAR RBMER10	Total RNA from all types of samples.	To remove contaminant DNA from RNA samples and for removing the DNase after the treatment. Fast and easy method. The DNase removal step takes place in just 3 minutes.
miRNA	REALPURE SPIN miRNA & Cell-Free RNA RBMER17/ 18	New Plasma, serum or biological fluids: Mini 300ul Midi 3ml	Provides an efficient isolation of micro RNA and small RNA from liquid biopsies including serum, plasma and other biofluids without the use of toxic phenol or chloroform.
	REALTOTAL MicroRNA Kit RBMER14	Cultured animal cells, tissue samples, blood, bacteria, yeast, fungi, biologicals fluids and plants.	Rapid and efficient method for the isolation and purification of small RNA molecules (<200 nt). These small RNAs include regulatory RNA molecules such as microRNA (miRNA) and short interfering RNA (siRNA).

Buffers for Molecular Biology : TAE 50X; TBE10X; Tris Glycine; SSC20X; Formaldehyde Gels 3X; Denaturing Buffer; Neutralizing Buffer: TE 1X Ph8.0
For more information please contact: marketing@durviz.com

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