

HUMAN HEALTH

ENVIRONMENTAL HEALTH

UNIQUE TECHNOLOGY FOR DNA/RNA ISOLATION

chemagen Technology – Complete Solutions for DNA/RNA Isolation in Human Genetics

A crucial step in human genetic research is the isolation of high quality DNA or RNA. **chemagen Technology** offers flexible solutions for every application or daily throughput, special dedicated to the application fields listed:

- Biobanking
- Human Genetics
- Epigenetics

As the number of samples increases, the need for automation becomes more acute. Automation also offers better reproducibility and reliability in the isolation process. The key competence behind **chemagen Technology** is the isolation of genomic DNA and total RNA. This competence is expressed in **chemagic Kit** products, which contain proprietary magnetic particles with a high affinity to nucleic acids and low protein binding.



The chemagic MSM I – outstanding flexibility

- 10 µl - 10 ml samples with one instrument
- Huge variety of sample material (Blood, Blood Spots, Plasma, Cells, Tissue, ...)
- Easy connectable to standard liquid handling units



The chemagic Prepito®-D – innovative benchtop solution

- Up to 1 ml samples, 1 - 12 samples in parallel
- Pre-installed protocols
- Cost-effective sample preparation



The chemagic Kits – magnetic beads for endless possibilities

- Several kits for the isolation of genomic DNA and total RNA
- Easily applicable to liquid handling instruments and automated magnetic bead based platform
- Available as manual kits

chemagic Kits Overview

The chemagic Kit portfolio comprises a large amount of kits for the isolation of gDNA and total RNA.

Ideal Support for your Human Genetics projects and Biobanking			
chemagic Kits	Instrument	Sample Volumes	Samples/Run
chemagic DNA Blood Kit special	 chemagic MSM I	50 µl - 400 µl 1 ml - 4 ml 3 ml - 10 ml	96 24 12
chemagic DNA Blood Spot Kit	 chemagic MSM I	Paper filter punch outs	96
chemagic DNA Saliva Kit special	 chemagic MSM I	4 ml	24
chemagic DNA Buccal Swab Kit special	 chemagic MSM I	1 swab	96
chemagic DNA Cell Kit special	 chemagic MSM I	1.2 x 10 ⁷ cells	12
Prepito DNA Blood250 Kit	 chemagic Prepito	100 µl - 250 µl	12
Prepito DNA Blood600 Kit	 chemagic Prepito	600 µl	6
Prepito FFPE Kit	 chemagic Prepito	10 µm section	12
Prepito DNA Tissue Kit	 chemagic Prepito	animal tissues or cells	12
chemagic SEQ Pure Kit	 Manual or on LH instruments	5 µl - 20 µl (without ethanol)	
chemagic Kits for Prenatal Genetics and Epigenetics			
chemagic Kits	Instrument	Sample Volumes	Samples/Run
chemagic Circulating NA Kit Special	 chemagic MSM I	1 ml 4 ml	12 24
chemagic Amniotic Fluid Kit special	 chemagic MSM I	1 ml	12
chemagic Epigenetic NA Extraction Kit special	 chemagic MSM I	5 ml plasma 4 ml plasma	12 12 - 24
chemagic Epigenetic Bisulfite Purification Kit special	 chemagic MSM I	up to 500 µl bisulfite reaction mix	96
Prepito DNA Cyto Pure Kit	 chemagic Prepito	250 µl blood, 10 mg tissue or 1 - 5 ml pelleted amniotic fluid	12
Prepito Circulating NA1k Kit	 chemagic Prepito	1 ml serum/plasma	12
chemagic Kits for the Isolation of total RNA			
chemagic Kits	Instrument	Sample Volumes	Samples/Run
chemagic RNA Blood Kit special	 chemagic MSM I	2.5 ml stabilized blood 2.5 ml stabilized blood	12 24
chemagic RNA Saliva Kit special	 chemagic MSM I	1 ml Oragene saliva	12
chemagic RNA Tissue Kit special	 chemagic MSM I	50 mg tissue	12
chemagic mRNA/gDNA Kit special	 chemagic MSM I	2 ml blood and bone marrow; max. cell number 20 x 10 ⁶	12

Other chemagic Kits and protocols are available on request!

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
Phone: (+1) 800-762-4000
or (+1) 203-925-4602
www.perkinelmer.com

PerkinElmer chemagen Technologie GmbH
Arnold-Sommerfeld-Ring 2
52499 Baesweiler, Germany
Phone: (+49) 2401 805-501
Fax: (+49) 2401 805-519
info@chemagen.com, www.chemagen.com



For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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