



NOW DNASE I INCLUDED

DIFFERENT EXTRACTION FORMATS

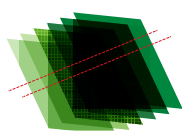
# **EXTRACTME<sup>®</sup>**

DNA & RNA Extraction Kits

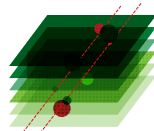


# DNA & RNA EXTRACTION KITS

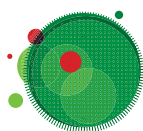
*Fast and efficient isolation of nucleic acids  
from a wide range of biological materials*



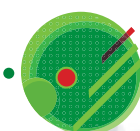
DNA TISSUE



GENOMIC DNA



DNA BLOOD



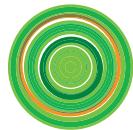
DNA SWAB  
& SEMEN



VIRAL  
DNA & RNA



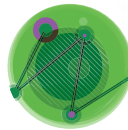
DNA BACTERIA



PLASMID DNA



DNA YEAST



TOTAL RNA



RNA BACTERIA  
& YEAST



miRNA



DNA GEL-OUT



DNA CLEAN-UP

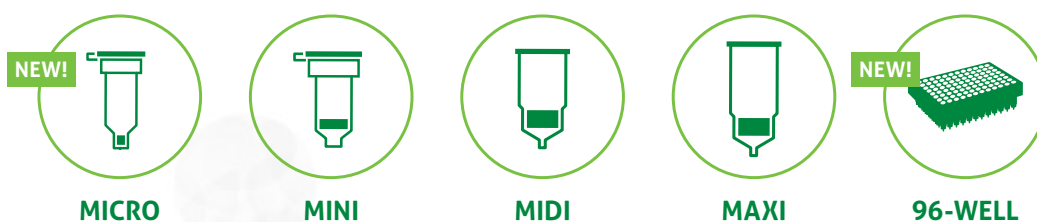


DNA CLEAN-UP  
& GEL-OUT



**EXTRACTME® series is the fastest growing part of DNA-Gdańsk portfolio. Each year our R & D team develops new kits based on our customers' requests and market needs.**

NOW AVAILABLE IN DIFFERENT EXTRACTION FORMATS  
keeping high performance and reliability:



The kits utilize silica-based or anion exchange techniques for selective nucleic acid isolation. The optimized reagents remove efficiently impurities and enzyme inhibitors. The purified nucleic acids may be used directly in all downstream applications such as PCR, qPCR, RT-PCR, NGS, cloning, genotyping, DNA ligation, Southern and Northern blotting, etc.

#### **MICRO SPIN Columns:**

- Elution volume from as low as **5 µl**
- For DNA & RNA concentration or for isolation from low quantities of starting material

#### **MIDI & MAXI Columns:**

- Anion exchange columns for transfection grade plasmid DNA isolation
- Up to 1.5 mg pDNA from 1 L culture volume

#### **96-WELL Plates:**

- For high throughput DNA & RNA isolation using centrifuge or vacuum manifold (for manual pipetting or liquid handling instruments)

#### **Lyophilized enzymes:**

- RNA related kits include **RNase-free DNase I**
- New and even more active **Proteinase K**
- Both enzymes available as individual products

#### **EXTRACTME kits main features:**

- **Phenol-free** – reduced toxicity
- Rapid and reliable purification
- Extraction from wide range of biological materials
- Superior yield and high purity
- Clear instructions, rich in useful information
- Shipping at ambient temperature

**COMING  
SOON**  
**>>**

**EXTRACTME DNA & RNA KIT**  
**EXTRACTME DNA & RNA MICRO SPIN KIT**  
**EXTRACTME TOTAL RNA MICRO SPIN KIT**

**EXTRACTME QUATRO KIT** (miRNA/RNA/DNA/Protein)  
**EXTRACTME PLASMID DNA MICRO SPIN KIT**  
**EXTRACTME PLANT DNA KIT**



# Looking for extraction kits as efficient as the most valued commercial kits, but for a reasonable price?

## The **EXTRACTME**® products are the answer.

### Features that make the difference

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The kits are designed to cover a wide range of various starting materials.

#### **EXTRACTME DNA TISSUE KIT**

- The manual contains 10 isolation protocols for different kinds of starting materials including solid tissues (fresh, frozen, formalin-preserved or paraffin-embedded), hairs, rodent tails, insects and cell cultures.

#### **EXTRACTME DNA GENOMIC KIT**

- The most universal kit in the **EXTRACTME** series. Works with a versatile number of starting materials.
- Perfect for labs managing a big variety of samples.
- Now present in 96-well format ideal for high throughput and can be easily adopted on commercially available liquid handling instruments.
- Available also with micro spin columns for low elution volume DNA recovery using for DNA concentration or for isolation from low quantities of starting material.

#### **EXTRACTME TOTAL RNA KIT**

- The most popular mini spin column and **phenol-free** kit for efficient RNA extraction from different types of tissues and cell cultures.
- Now present in 96-well format ideal for high throughput and can be easily adopted on commercially available liquid handling instruments.
- Upgraded version contains high quality **RNase-free DNase I** helping to obtain superior results for your advanced qPCR analysis.
- Soon available also with micro spin columns for low elution volume RNA recovery using for RNA concentration or for isolation from low quantities of starting material.

#### **EXTRACTME miRNA KIT**

- Rapid and unbiased extraction of highly enriched small RNA (<200 nt) with superior yield and purity from a wide range of cells, tissues and blood.
- It is possible to extract high quality large RNA (>200 nt) in parallel from the same sample.
- Phenol-free method to secure your health and create safe working environment.

#### **EXTRACTME DNA TISSUE / TOTAL RNA PLUS KITS**

- The kits contain bead-beating tubes for tissue homogenization, fitting almost all commercially available homogenizers.

#### **EXTRACTME RNA BACTERIA & YEAST KIT**

- The most reliable kit for RNA extraction from bacteria and yeast.
- Contains a complete set of reagents including **Yeast Lysis Mix, RNA Extraction Enhancer** and **Lysozyme**.
- RNA Extraction Enhancer maximizes obtained results ensuring highest yields.
- Now upgraded version contains **RNase-free DNase I**.

#### **EXTRACTME PLASMID DNA KITS**

- Great performance kits in four available column formats: MINI, MIDI, MAXI and 96-WELL.
- Possibility of extraction of **endotoxin-free** plasmid DNA, ideal for transfection procedures.
- Soon available with micro spin columns for low elution volume plasmid DNA recovery. The pDNA isolation will be possible from one single colony.

#### **EXTRACTME PLASMID DNA 96-WELL KIT**

- Innovative solution for lysis procedure (**7x lysis buffer**).
- Extended protocols for vacuum manifold and centrifuge.
- **No centrifugation steps** required if using additional filtration plates with vacuum manifold protocol.

#### **EXTRACTME DNA BLOOD KIT**

- For rapid and efficient purification of high quality human and mammalian DNA from whole blood, plasma, serum, buffy coats, lymphocytes and body fluids.


#### **EXTRACTME DNA CLEAN-UP & GEL-OUT KIT**

- In order to obtain the best results, kit contains separate binding buffers: one for clean-up and one for gel-out.
- Now available with spin columns for low elution volume DNA recovery (suitable for NGS).



## Applicability Table

USE OUR TABLE to find a perfect match for your extraction procedures or ASK OUR EXPERTS: [support@blirt.eu](mailto:support@blirt.eu)

|  |                                       | Agarose gel | Bacterial culture | Blood | Buffy coats | Cell culture | Enzymatic reaction mixture | Formalin / Paraffin embedded tissue | Hair / Insect | Physiological fluids | Plasma / Serum | Plasmid vectors | Solid tissue | Semen | Swabs – buccal, nasal, pharyngeal, vaginal | Yeast | Homogenisation bead beating tubes | Endotoxin-free | low elution volume / micro spin columns | Automatic liquid handlers / High throughput | DNase I present |
|---|---------------------------------------|-------------|-------------------|-------|-------------|--------------|----------------------------|-------------------------------------|---------------|----------------------|----------------|-----------------|--------------|-------|--|-------|-----------------------------------|----------------|---|---|-----------------|
| GENOMIC DNA Isolation Kits  | GENOMIC DNA KIT – universal           |             | ✓                 | ✓     | ✓           | ✓            |                            | ✓                                   | ✓             | ✓                    | ✓              |                 | ✓            | ✓     | ✓  | ✓     |                                   |                |   |   |                 |
|   | GENOMIC DNA MICRO SPIN KIT            |             | ✓                 | ✓     | ✓           | ✓            |                            | ✓                                   | ✓             | ✓                    | ✓              |                 | ✓            | ✓     | ✓  | ✓     |                                   |                | ✓                                       |   |                 |
|   | GENOMIC DNA 96-WELL KIT               |             | ✓                 | ✓     | ✓           | ✓            |                            | ✓                                   | ✓             | ✓                    | ✓              |                 | ✓            | ✓     | ✓  | ✓     |                                   |                |   | ✓   |                 |
|   | DNA BACTERIA KIT                      |             | ✓                 |       |             |              |                            |                                     |               |                      |                |                 |              |       |  |       |                                   |                |   |   |                 |
|   | DNA TISSUE KIT                        |             |                   |       |             | ✓            |                            | ✓                                   | ✓             | ✓                    |                |                 | ✓            |       |  |       |                                   |                |   |   |                 |
|   | DNA TISSUE PLUS KIT                   |             |                   |       |             | ✓            |                            | ✓                                   | ✓             | ✓                    |                |                 | ✓            |       |  |       | ✓                                 |                |   |   |                 |
|   | DNA BLOOD KIT                         |             |                   | ✓     | ✓           |              |                            |                                     |               | ✓                    | ✓              |                 |              |       |  |       |                                   |                |   |   |                 |
|   | DNA SWAB & SEMEN KIT                  |             |                   |       |             |              |                            |                                     |               |                      |                |                 |              |       | ✓  | ✓     |                                   |                |   |   |                 |
|   | DNA YEAST KIT                         |             |                   |       |             |              |                            |                                     |               |                      |                |                 |              |       |  | ✓     |                                   |                |   |   |                 |
| RNA Isolation Kits  | VIRAL DNA & RNA KIT                   |             |                   |       |             |              |                            |                                     |               | ✓                    | ✓              |                 |              |       |  |       |                                   |                |   |   |                 |
|   | RNA BACTERIA & YEAST KIT              |             | ✓                 |       |             |              |                            |                                     |               |                      |                |                 |              |       |  | ✓     |                                   |                |   |   | ✓               |
|   | miRNA KIT                             |             |                   | ✓     |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                |   |   |                 |
|   | DNA & RNA KIT*                        |             |                   | ✓     |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                |   |   |                 |
|   | DNA & RNA MICRO SPIN KIT*             |             |                   | ✓     |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                | ✓                                       |   |                 |
|   | QUATRO KIT*                           |             |                   | ✓     |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                |   |   |                 |
|   | TOTAL RNA KIT                         |             |                   |       |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                |   |   | ✓               |
|   | TOTAL RNA MICRO SPIN KIT*             |             |                   |       |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                | ✓                                       |   |                 |
|   | TOTAL RNA PLUS KIT                    |             |                   |       |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       | ✓                                 |                |   |   | ✓               |
|   | TOTAL RNA 96-WELL KIT                 |             |                   |       |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                |   | ✓   | ✓               |
|   | EXTRAZOL                              |             | ✓                 |       |             | ✓            |                            |                                     |               |                      |                |                 | ✓            |       |  |       |                                   |                |   |   |                 |
| PLASMID DNA Isolation Kits  | PLASMID DNA KIT                       |             | ✓                 |       |             |              |                            |                                     |               |                      |                | ✓               |              |       |  |       |                                   |                |   |   |                 |
|   | PLASMID DNA MICRO SPIN KIT*           |             | ✓                 |       |             |              |                            |                                     |               |                      |                | ✓               |              |       |  |       |                                   |                | ✓                                       |   |                 |
|   | PLASMID DNA 96-WELL KIT               |             | ✓                 |       |             |              |                            |                                     |               |                      |                | ✓               |              |       |  |       |                                   |                |   | ✓   |                 |
|   | PLASMID MIDI KIT                      |             | ✓                 |       |             |              |                            |                                     |               |                      |                | ✓               |              |       |  |       |                                   | ✓              |   |   |                 |
|   | PLASMID MAXI KIT                      |             | ✓                 |       |             |              |                            |                                     |               |                      |                | ✓               |              |       |  |       |                                   | ✓              |   |   |                 |
| DNA FRAGMENTS Purification Kits   | DNA CLEAN-UP KIT                      |             |                   |       |             |              | ✓                          |                                     |               |                      |                |                 |              |       |  |       |                                   |                |   |   |                 |
|   | DNA CLEAN-UP 96-WELL KIT              |             |                   |       |             |              | ✓                          |                                     |               |                      |                |                 |              |       |  |       |                                   |                |   | ✓   |                 |
|   | DNA GEL-OUT KIT                       | ✓           |                   |       |             |              |                            |                                     |               |                      |                |                 |              |       |  |       |                                   |                |   |   |                 |
|   | DNA CLEAN-UP & GEL-OUT KIT            | ✓           |                   |       |             |              | ✓                          |                                     |               |                      |                |                 |              |       |  |       |                                   |                |   |   |                 |
|   | DNA CLEAN-UP & GEL-OUT MICRO SPIN KIT | ✓           |                   |       |             |              | ✓                          |                                     |               |                      |                |                 |              |       |  |       |                                   |                | ✓                                       |   |                 |

\* COMING SOON

| PRODUCT NAME  | FORMAT    | CAT. NO.      |
|---|-----------|---------------|
| <b>GENOMIC DNA Isolation kits</b>                     |           |               |
| GENOMIC DNA KIT – universal                           | MINI      | EM13          |
| GENOMIC DNA MICRO SPIN KIT                            | MICRO     | EM29          |
| GENOMIC DNA 96-WELL KIT                               | 96-WELL   | EM33          |
| DNA BACTERIA KIT                                      | MINI      | EM02          |
| DNA TISSUE KIT  | MINI      | EM03          |
| DNA TISSUE PLUS KIT**                                 | MINI      | EM04          |
| DNA BLOOD KIT   | MINI      | EM05          |
| DNA SWAB & SEMEN KIT                                  | MINI      | EM06          |
| DNA YEAST KIT   | MINI      | EM10          |
| bead-beating tubes with ceramic filling               | 2 formats | HPLM / HPLM-A |
| <b>PLASMID DNA Isolation Kits</b>                     |           |               |
| PLASMID DNA KIT                                       | MINI      | EM01          |
| PLASMID DNA MICRO SPIN KIT*                           | MICRO     | EM27          |
| PLASMID DNA 96-WELL KIT upgraded with 7x lysis buffer | 96-WELL   | EM21          |
| PLASMID MIDI KIT                                      | MIDI      | EM16          |
| PLASMID MIDI ENDOTOXIN-FREE KIT                       | MIDI      | EM17          |
| PLASMID MAXI KIT                                      | MAXI      | EM18          |
| PLASMID MAXI ENDOTOXIN-FREE KIT                       | MAXI      | EM19          |
| PLASMID DNA 96-WELL FILTER PLATES                     | 96-WELL   | EM23          |
| FILTRATION COLUMNS                                    | MIDI      | EM20          |

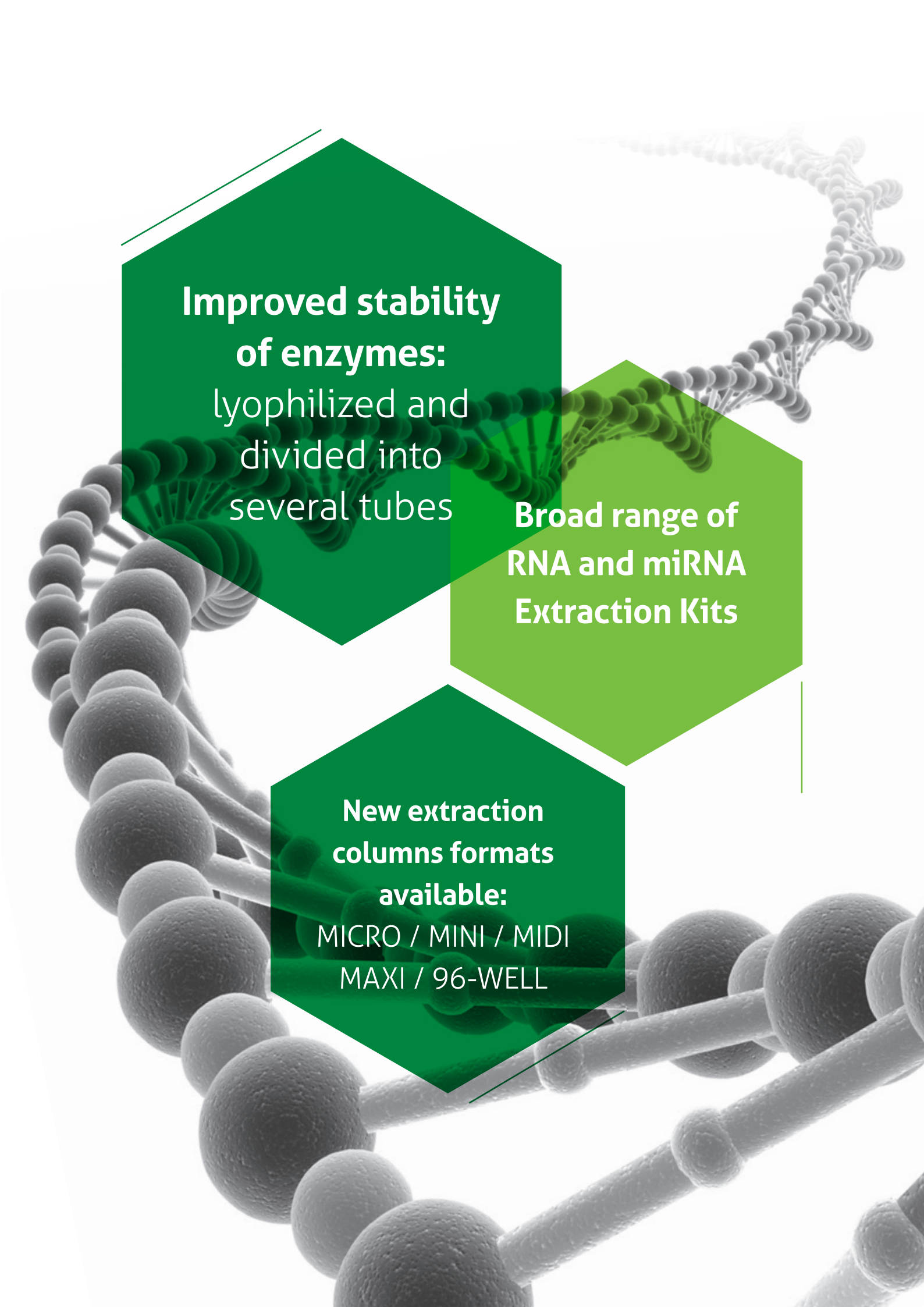
| PRODUCT NAME                                   | FORMAT   | CAT. NO. |
|--|----------|----------|
| <b>RNA Isolation Kits</b>                      |          |          |
| VIRAL DNA & RNA KIT                            | MINI     | EM38A    |
| RNA BACTERIA & YEAST KIT upgraded with DNase I | MINI     | EM25     |
| miRNA Kit                                      | MINI     | EM12     |
| DNA & RNA KIT*                                 | MINI     | EM15     |
| DNA & RNA MICRO SPIN KIT*                      | MICRO    | EM36     |
| QUATRO KIT (miRNA/RNA/DNA/Protein)*            | MINI     | EM34     |
| TOTAL RNA KIT upgraded with DNase I            | MINI     | EM09     |
| TOTAL RNA MICRO SPIN KIT*                      | MICRO    | EM31     |
| TOTAL RNA PLUS KIT** upgraded with DNase I     | MINI     | EM11     |
| TOTAL RNA 96-WELL KIT upgraded with DNase I    | 96-WELL  | EM14     |
| EXTRAZOL                                       | SOLUTION | EM30     |

|  |         |      |
|--|---------|------|
| <b>DNA FRAGMENTS Purification Kits</b> |         |      |
| DNA CLEAN-UP KIT                       | MINI    | EM07 |
| DNA CLEAN-UP 96-WELL KIT               | 96-WELL | EM22 |
| DNA GEL-OUT KIT                        | MINI    | EM08 |
| DNA CLEAN-UP & GEL-OUT KIT             | MINI    | EM26 |
| DNA CLEAN-UP & GEL-OUT MICRO SPIN KIT  | MICRO   | EM28 |

\* COMING SOON

\*\* The PLUS kits additionally include tubes for homogenization with ceramic filling

Each kit can also be provided as a DEMO version upon request



**Improved stability  
of enzymes:**  
lyophilized and  
divided into  
several tubes

**Broad range of  
RNA and miRNA  
Extraction Kits**

**New extraction  
columns formats  
available:**  
MICRO / MINI / MIDI  
MAXI / 96-WELL



**Blirt S.A., DNA-Gdańsk**

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