diagenode

Innovating Epigenetics Solutions

CORPORATE GRAPHIC GUIDELINES

LOGO

diagenode

CYAN	18%
MAGENTA	100%
YELLOW	80%
BLACK	5%
R	194
G	33
B	59
PANTONE	187 CVU
WEB	# B21329

THE LOGO CAN BE USED IN WHITE
ONLY IF THE BARKGROUND
IS IN A DARK COLOR

LOGO

DO NOT CHANGE THE TAGLINE

LOGO: DON'T


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diagenode
The Best Company in the World


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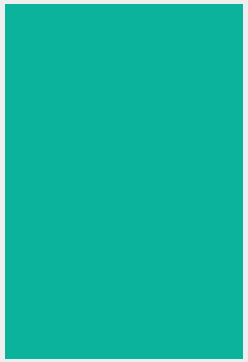
COLORS

CYAN	14%
MAGENTA	100%
YELLOW	79%
BLACK	42%
R	137
G	10
B	34
WEB	# 8D0E24

CYAN	18%
MAGENTA	100%
YELLOW	80%
BLACK	5%
R	194
G	33
B	59
WEB	# B21329
PANTONE	187 CVU

CYAN	0%
MAGENTA	27%
YELLOW	23%
BLACK	0%
R	248
G	203
B	188
WEB	#F8CBBC



CYAN	76%
MAGENTA	3%
YELLOW	49%
BLACK	0%
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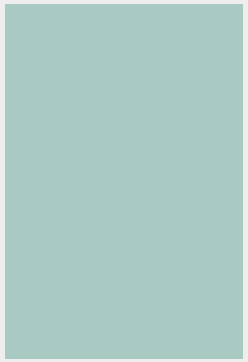
G	198
B	147
WEB	#13B29C



CYAN	30%
MAGENTA	7%
YELLOW	20%
BLACK	5%
R	190
G	206
B	199
WEB	# C5D5CF

FONT

[PRINT]

DIN

LIGHT
REGULAR
MEDIUM
BOLD
BLACK

Usually, the body is in LIGHT, highlighted words are in MEDIUM;
The big title are in BOLD, title in MEDIUM

If you don't have DIN font on your computer,
please use CALIBRI.

Maximum size 12 pt for the body of your document.

[WEB & EMAILER]

HELVETICA

THIN
REGULAR
BOLD

Usually, the titles are in THIN, the paragraphes are in REGULAR and highlighted words and titles are in BOLD;

In the css code, **ARIAL** and SANS-SERIF can be mentionned as alternative fonts.

POWERPOINT HEADER

EPIGENETICS

DOCUMENTS

This lay-out is used for application notes, protocols, technical data-sheet, contrats, white papers, guidelines, case studies, technical notes, ...

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APPLICATION NOTE

An automated method for efficient, accurate and reproducible construction of RNA-seq libraries

Maria Tsompana, Sujith Valiyaparambil, Jonathan Bard, Brandon Marzullo, Norma Nowak and Michael J. Buck

Authors' Affiliation: Department of Biochemistry and Center of Excellence in Bioinformatics and Life Sciences, State University of New York at Buffalo, 701 Ellicott St., Buffalo, NY 14203.

Corresponding Author: Maria Tsompana, State University of New York at Buffalo, 701 Ellicott St., Buffalo, NY 14203. Phone: 716-881-8046; Fax: 716-849-6655; E-mail: tsompana@buffalo.edu

Introduction

Deciphering the underlying determinants of transcriptional regulation in relation to cell differentiation, functional diversification, environmental signaling, and disease development remains a central question in biology today. Integration of expression data with knowledge on chromatin accessibility, histone modifications, DNA methylation, and transcription factor binding, has been instrumental for the unveiling of cell-specific local and long-range regulatory patterns, facilitating further investigation on the underlying rules of transcription regulation at an individual and allele-specific level. Current interest by large collaborative projects, such as the ENCODE [1], the NIH Roadmap Epigenomics Mapping Consortium [2, 3], and the *C. elegans* and *D. melanogaster* modENCODE [4], has been placed on generating genome-wide gene expression maps to locate gene expression changes that accompany important developmental and disease development processes. The pairing of traditional expression assays with high-throughput sequencing (RNA-seq) has allowed the generation of genome-wide gene expression data with unparalleled specificity, throughput, and sensitivity delivering an unbiased representation of the transcriptome.

However, full genome transcriptional gene characterization has been partially limited by the complexity and increased time-requirements of available RNA-seq library construction protocols. Here we report the successful application of the Diagenode IP-Star® Compact System for the easy, rapid, and reproducible RNA-seq library construction of five *Mus musculus* (mouse) samples. Use of the IP-Star® Compact System significantly reduced the hands-on time for RNA-seq library synthesis, adenylation, and adaptor ligation providing with high-quality RNA-seq libraries tailored for Illumina high-throughput next-generation sequencing. Generated data exhibited high technical reproducibility compared to data from RNA-seq libraries synthesized manually for the same samples. Obtained results are consistent regardless the researcher, day of the experiment, and experimental run. Overall, the IP-Star® Compact System proves an efficient and reliable tool for the construction of next-generation RNA-seq libraries, especially for trancriptome-based annotation of larger genomes or genomes with many alternative gene isoforms.

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GUIDELINES

Sample Submission Guidelines for RRBS

Contact: services@diagenode.com
Website: https://www.diagenode.com/categories/rrbs-service

1. Isolation of genomic DNA

- The quality of the DNA to be used in RRBS is very important, we therefore highly recommend the use of Diagenode XL GenDNA extraction module (Cat. No. C03030020) for DNA extraction.
- It is possible to substitute the XL GenDNA extraction kit or an equivalent product that is capable of extracting high molecular weight genomic DNA.
- The XL GenDNA Extraction kit has been optimized for cultured cells. The isolation of genomic DNA from whole blood samples or FFPE material requires specialized kits.
- Do not use Trizol during your DNA extraction as it inhibits the enzymatic digestion.
- Genomic DNA must be free of protein. Regardless the choice of DNA extraction protocol, proteinase K digestion is thus mandatory.
- Do not vortex high molecular weight DNA as this might lead to fragmentation, but mix by pipetting.

2. Genomic DNA quantification and preparation

- The concentration of double-stranded DNA must be quantified using a fluorescence-based assay such as Invitrogen's Qubit dsDNA High Sensitivity kit.

⚠ Photospectrometric techniques like Nanodrop cannot be used as they tend to overestimate the concentration of double-stranded genomic DNA.

- We recommend to check for genomic degradation by analysis of a small aliquot of each sample on a 0.8 % agarose gel.
- **For RRBS, we require at least 400 ng of genomic DNA, quantified in a fluorescence-based assay.**
- **The DNA concentration must be higher than 5 ng/µL and the volume higher than 10 µL.**

3. Shipment Instructions

- Prepare the samples in 1.5 mL tubes or 96-well plates and label them carefully.
- Ship the samples **overnight** in an insulated container box packed with **3 kg of dry ice**.
- Include the printed list of the samples and their description (name, species, sample type, volume and DNA concentration) in the shipment and send by email an electronic version of it as well.

www.diagenode.com Please contact us for more information
Europe Diagenode sa / LIEGE SCIENCE PARK // Rue du Bois Saint-Jean, 3 // 4102 Seraing (Ougrée) // Belgium // Phone: (+32) 4 364 20 50 // E-mail: info@diagenode.com
USA Diagenode Inc. / 400 Morris Avenue, Suite 101 // Denville, NJ 07834 // USA // Phone: (+1) 862 209-4680 // Mail: info.na@diagenode.com

BROCHURES

The header is white and we use the red logo wit the epigenetics tagline

The lay-out will be always the same.

The image is light related the product (e.g.: on this picture, we used the Bioruptor Pico's texture)

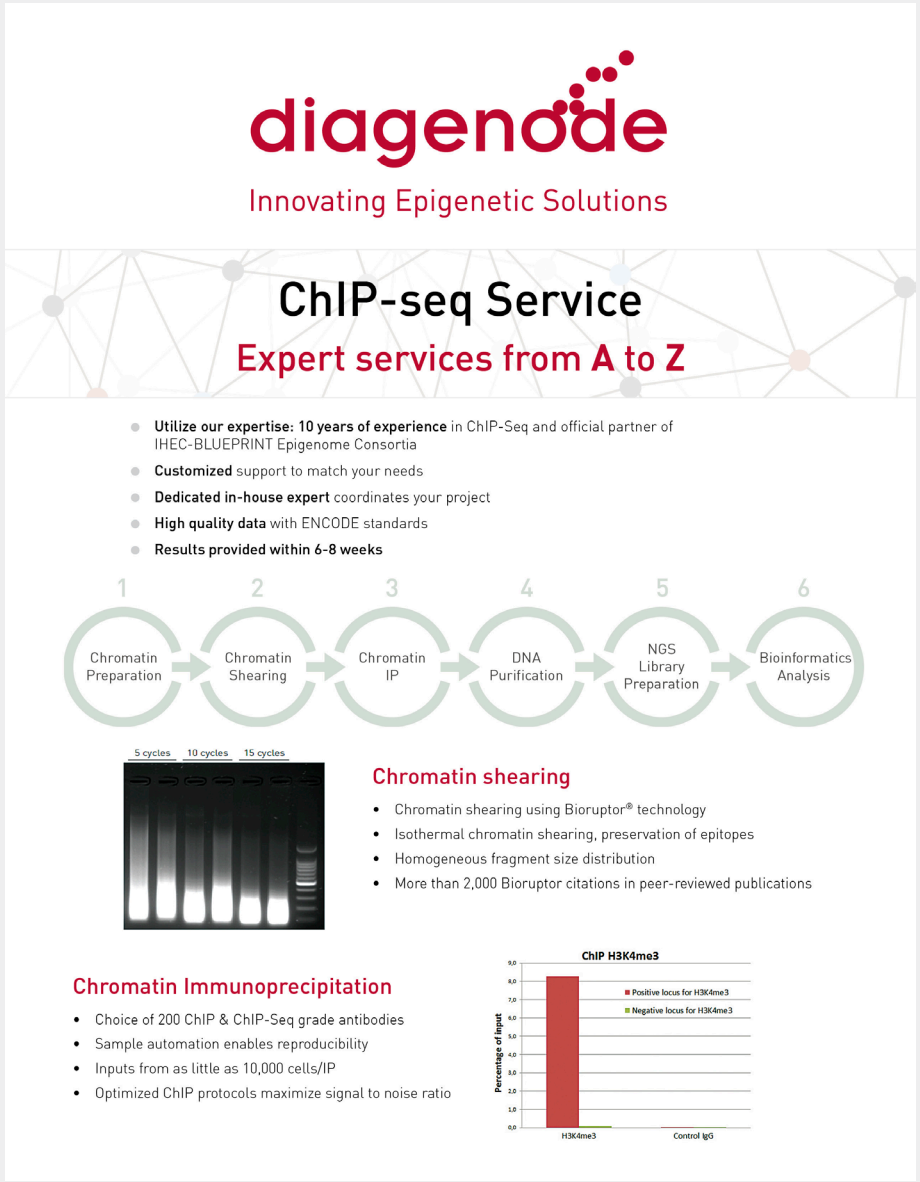
The big title is in Din Medium, subttile is in Din Light

BROCHURES

We have a template for the inside part. Title is always red and in Din Medium and subtitle in Din Light and red.

We try to have the more flat design as possible

FLYERS



The header is white and we use the red logo wit the epigenetics tagline

The banner is below the logo. We put a lightly image related with the product, if it's not possible the team will choose a graphical and abstract image.

The body of the flyer.

Text is in light, we can use bullets, and highlited words to be more attractive.

We recommend to put only 2 figures on the recto of the flyer to keep a flat design flyer

FLYERS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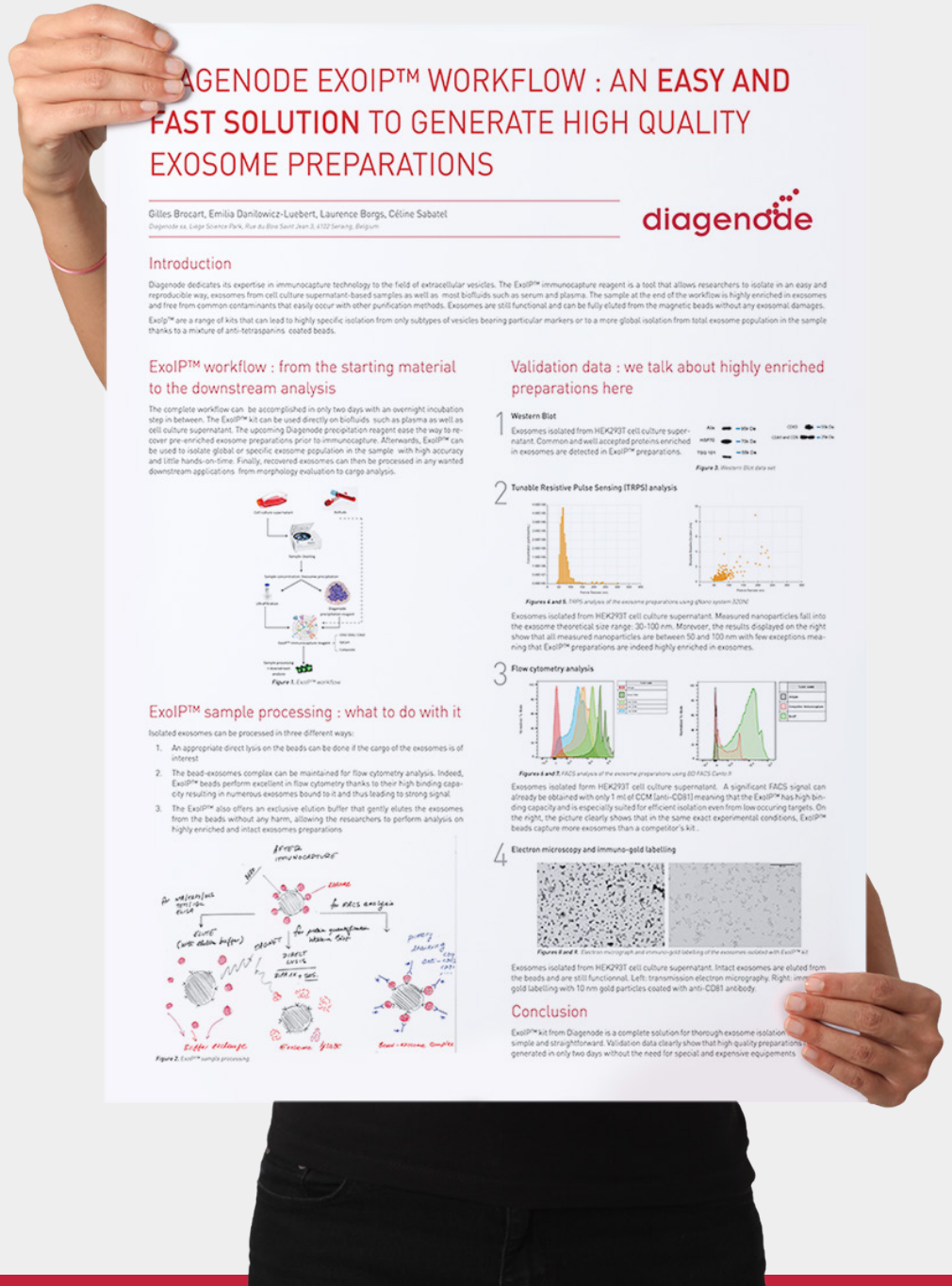
ChIP kit quality reagents
right out of the box!
The ChIP Kit Customizer
We understand – you don't always use every component from reagent kits. Now, with Diagenode's ChIP kit Customizer, buy only the reagents that you want. The ChIP Kit Customizer delivers the flexibility you want with the validated and high-quality ChIP
Mix and match any of our validated, superior-quality ChIP reagents:
ChIP cross-linking reagent
Chromatin shearing reagents
ChIP-seq grade antibodies
Beads
Negative controls
Inhibitors
Immunoprecipitation buffers
Magnetic DNA purification reagents
ChIP-seq grade primer pairs
ChIP-seq library preparation
If you are looking for complete solutions for ChIP, please check our website for the following kits:
True MicroChIP Kit, iDeal ChIP-seq Kit for Histones, iDeal ChIP-seq Kit for Transcription Factors or the Plant ChIP-seq Kit.
www.diagenode.com Please contact us for more information

POSTERS

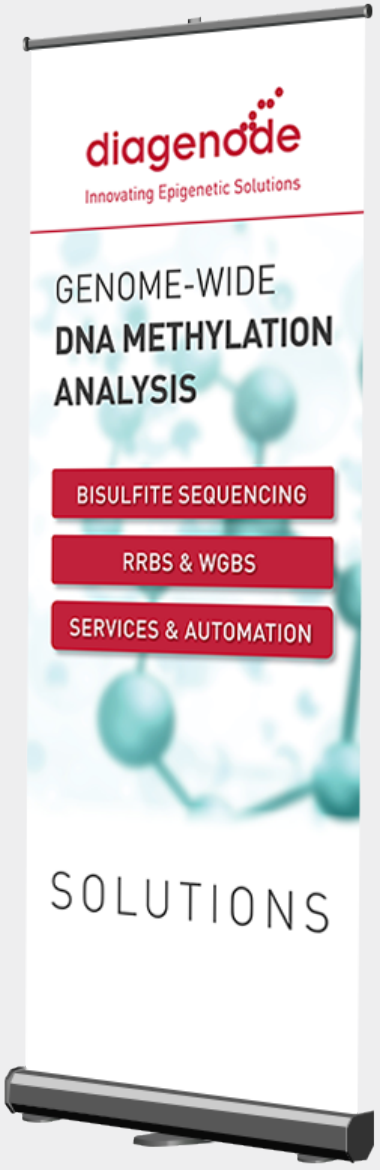

AGENODE EXOIP™ WORKFLOW : AN EASY AND FAST SOLUTION TO GENERATE HIGH QUALITY EXOSOME PREPARATIONS
Gilles Brocart, Emilia Danilowicz-Luebert, Laurence Borgs, Céline Sabatel
diagenode
Introduction
ExoIP™ workflow : from the starting material to the downstream analysis
ExoIP™ sample processing : what to do with it
Validation data : we talk about highly enriched preparations here
1 Western Blot
2 Tunable Resistive Pulse Sensing (TRPS) analysis
3 Flow cytometry analysis
4 Electron microscopy and immuno-gold labelling
Conclusion

STAND, BOOTH AND EVENTS

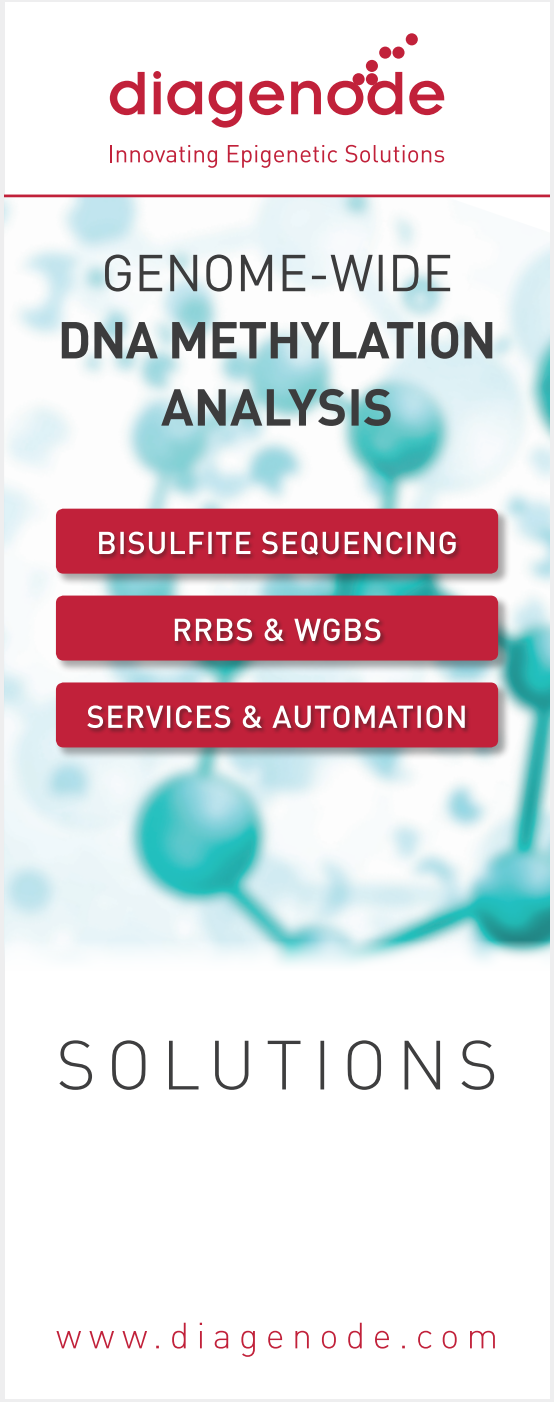
EUROPE

STAND, BOOTH AND EVENTS

EUROPE



EU ROLL-UP'S



The header is white and we use the red logo wit the epigenetics tagline.

We put a lightly image related with the product with a blue/green hue.

This image is blur.

The title is in dark grey. It's a short and clear message in maximum 3 lines.

The body is display like bullets.

STAND, BOOTH AND EVENTS

USA

STAND, BOOTH AND EVENTS

USA

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Innovating Epigenetic Solutions

ACCOMPLISH ROBUST CHIP-SEQ WITH EASE

CHIP-SEQ SOLUTIONS

- Low input ChIP-seq down to 10,000 cells
- Validated histone or transcription factor ChIP-seq solutions
- ChIP-seq validated antibodies

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AUTOMATE EPIGENETICS AND NGS LIBRARIES

IP-STAR®

- Automate ChIP-seq, MeDIP, hMeDIP, MethylCap, and NGS library prep
- Achieve unmatched reproducibility
- Simplify optimization of difficult assays including transcription factor ChIP

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RELIABLY SHEAR DNA FROM 3KB TO 75KB

MEGARUPTOR®

- High-quality fragmentation for long-read sequencing
- Automated walk-away processing
- Tight fragment distribution

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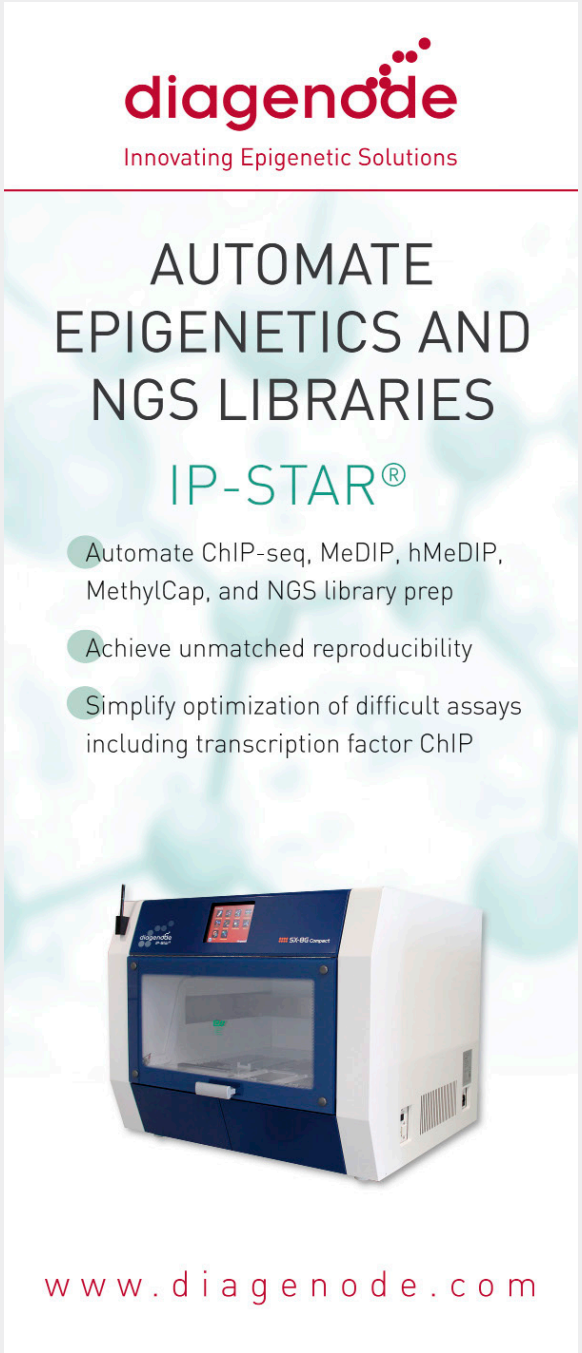
SHEAR DNA CHROMATIN, AND RNA RELIABLY

BIORUPTOR® PICO

- Next-gen seq: DNA and RNA shearing (5µl-100µl)
- Chromatin shearing (10µl - 2ml)
- Process 12 samples in parallel

www.diagenode.com

US ROLL-UP'S



The header is white and we use the red logo wit the epigenetics tagline.

We put a lightly image related with the product with a blue/green hue.

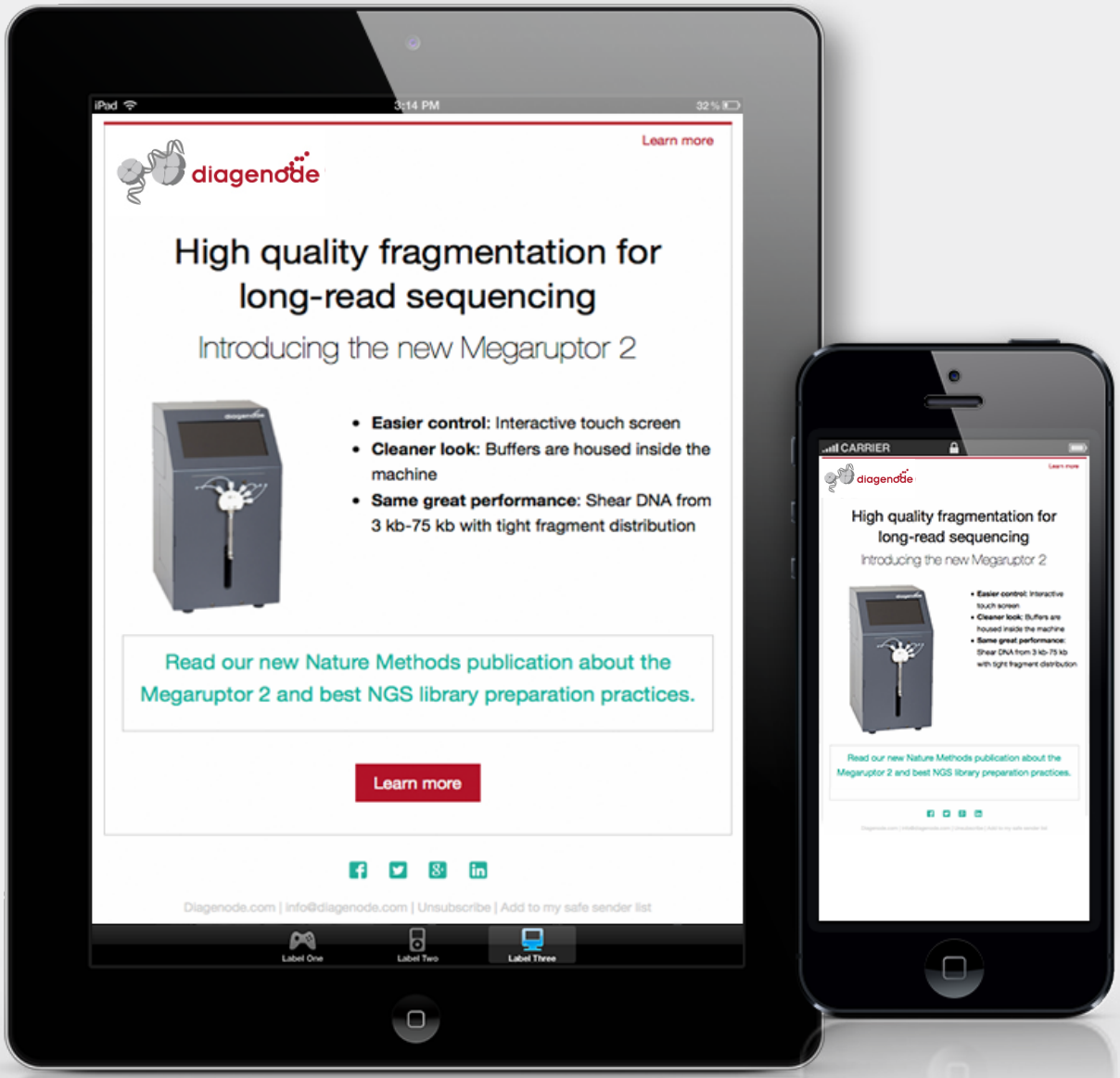
This image is blur.

The title is in dark grey. It's a short and clear message in maximum 3 lines.

Subtitle in blue/green

The body is display like bullets.

EMAILERS



The emailer is responsive and create with Foudation 6.

The max-width is 580 pixels.

The general background of the emailer is white.

You can use a picture to illustrate your message as long as it is consistent with the subject.

The links are written in red.

Text can be highlited in color, bold and put into a frame to put it in evidence.

The action button is written in white with a red background.

The footer contains:

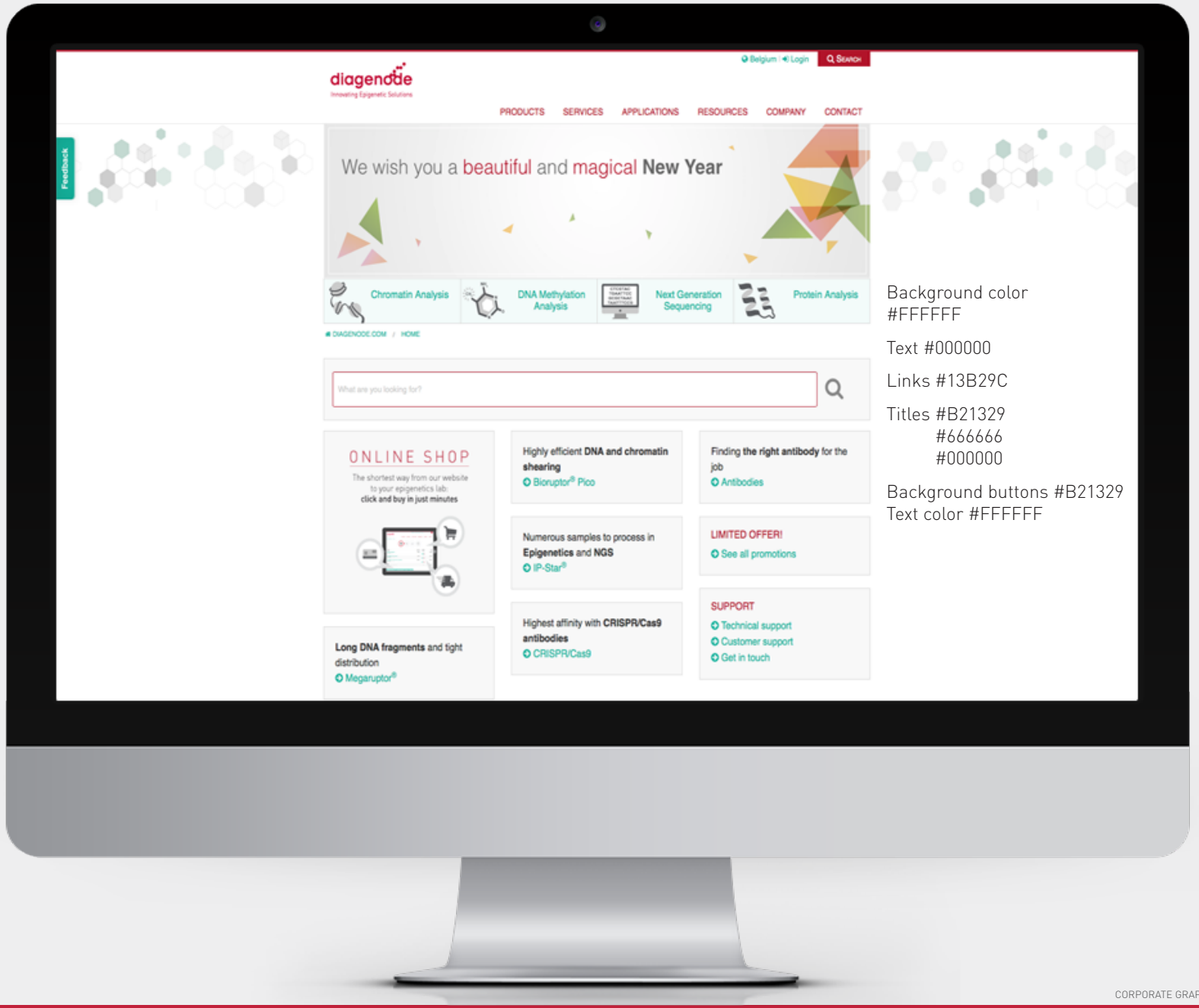
- Social icons in green
- Website link
- Email address
- Add to my safer sender list

BANNER HEADER

The banner header is white and we use the red logo wit the without tagline. A general link can be put on the right in small font.

The icone left to the logo must always be the one here above.

WEBSITE



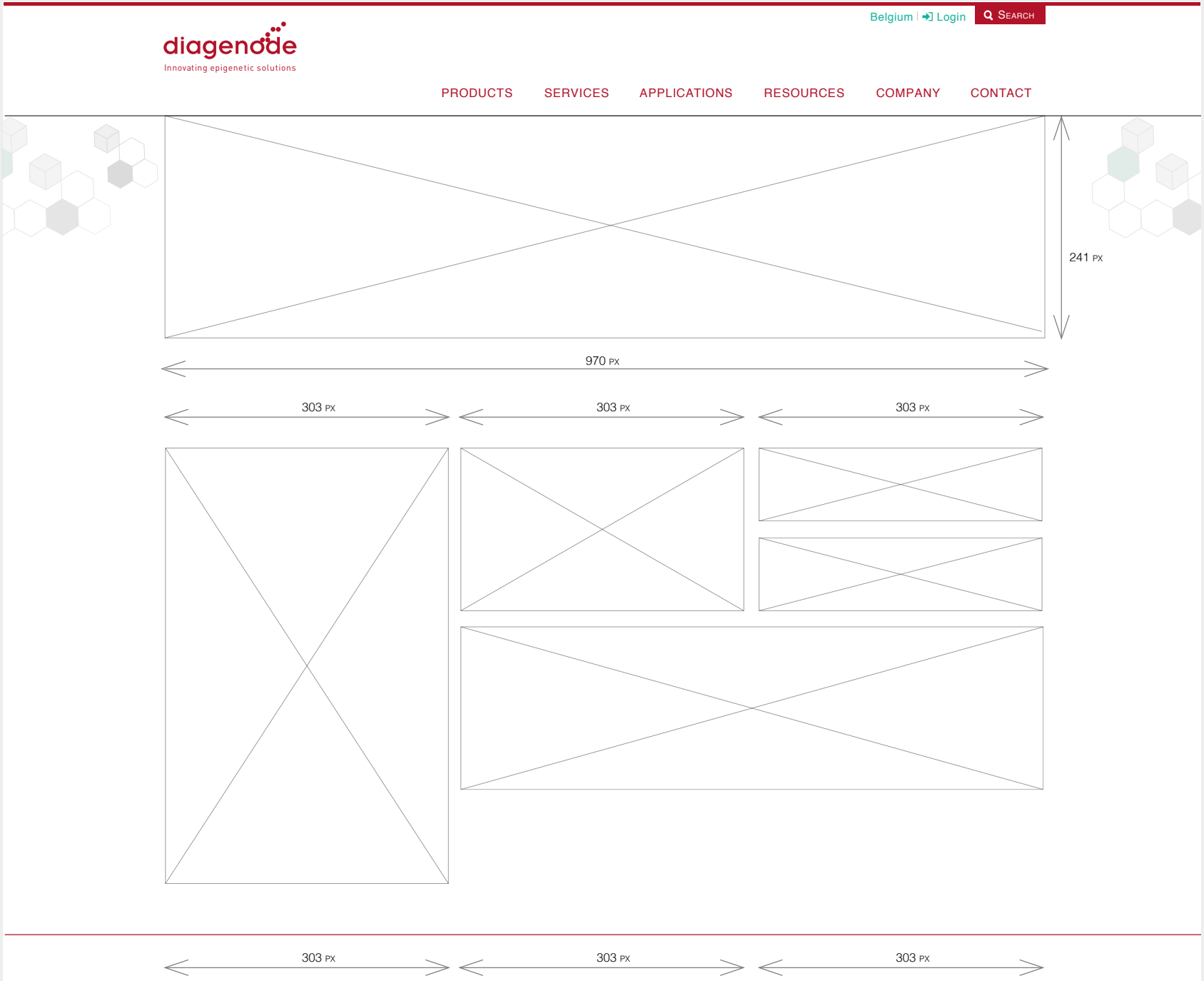
Background color
#FFFFFF

Text #000000

Links #13B29C

Titles #B21329
#666666
#000000

Background buttons #B21329
Text color #FFFFFF


Belgium | Login
SEARCH
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PRODUCTS
SERVICES
APPLICATIONS
RESOURCES
COMPANY
CONTACT
241 PX
970 PX
303 PX
303 PX
303 PX
303 PX
303 PX
303 PX

PRODUCT PAGE

Belgium | Login SEARCH

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PRODUCTS SERVICES APPLICATIONS RESOURCES COMPANY CONTACT

DIAGENODE.COM / BIORUPTOR® / BIORUPTOR® PICO SONICATION DEVICE

Bioruptor® Pico sonication device

BUYBACK PROGRAM

Personalised trade in offer for your Bioruptor model

Temperature-controlled
Easy to use
All-in-one solution
Processing of 6-12 samples
Sample size 5 µl – 2 ml
No soundproof box

SelectScience®
The Fastest Way to Expert Opinion™

Bioruptor® Pico

★★★★★

"Once setup the unit was easy to use and very reproducible. Once we got past the learning c..."

Read Full Reviews

PROTOCOLS | DOCUMENTS | RELATED | GET A QUOTE

Catalog Number	Format
B01060001	1 unit

The Bioruptor® Pico is the latest innovation in shearing and represents a new breakthrough as an all-in-one shearing system optimized for shearing micro-volumes of 5 µl to larger volumes of up to 2 ml. The built-in cooling system (water cooler and Single Cycle Valve) ensures high precision temperature control resulting in higher quality samples.

- All-in-one shearing solution
- Simultaneous sonication of 6-12 samples
- Small, light, and easy to use
- Temperature-controlled

Ideal for

- DNA shearing for Next-Generation-Sequencing (5 - 100 µl)
- Chromatin shearing (10 µl - 2 ml)
- RNA shearing
- Protein extraction from tissues and cells
- FFPE DNA extraction

TESTIMONIAL

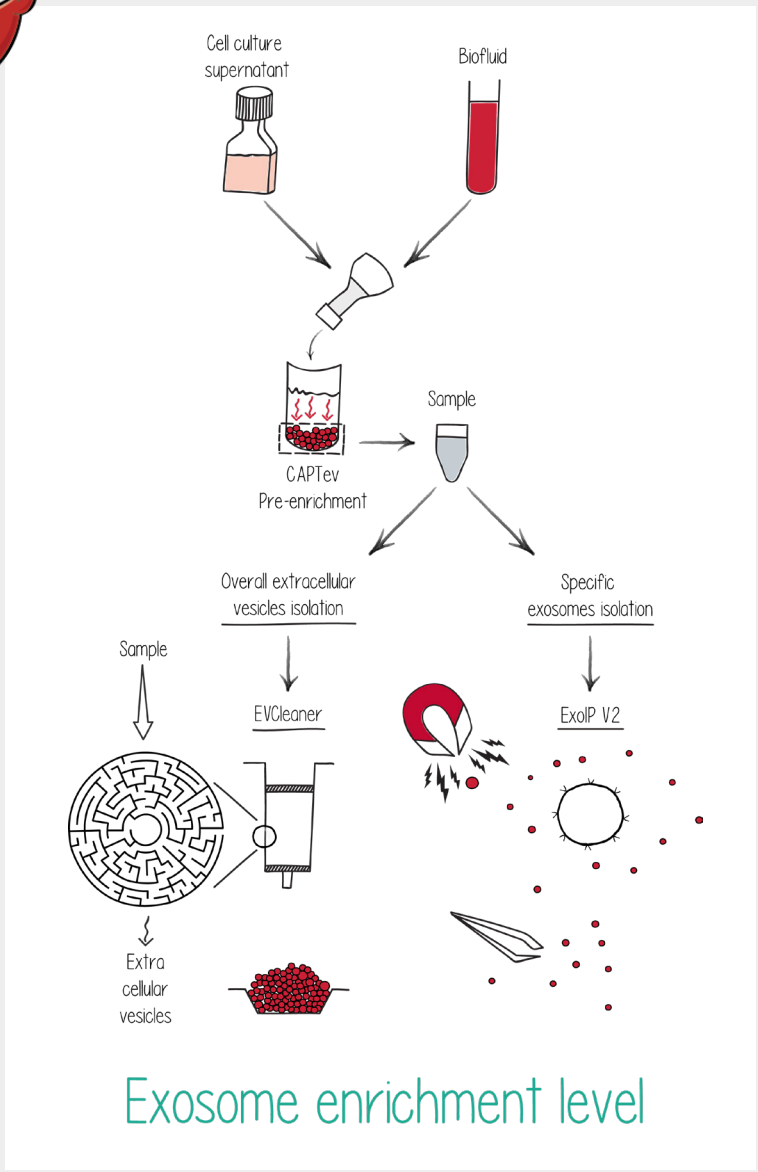
My group is mostly focused on epigenetic reprogramming and I have been using Diagenode products for the last 5 years. My experience with both antibodies, ChIP-Kits and the Bioruptor is nothing but positive. Diagenode products are unique for reproducibility, and this has always been a great plus for the success of my experiments.

— Dr. Raffaele Teperino - Environmental Epigenetic Group - Institute of Experimental Genetics, Helmholtz Zentrum Muenchen GmbH, Germany

ICON STYLES

This is a non-exhaustive list

MEDIAS



Drawings are usually used on the website but it also can be photos with approval of the graphic design team.

Videos and animations about the products may also be published on the website.