nu·Q discover

nu·Q discover

An innovative solution to profiling nucleosomes.

Empowering drug developers and scientists through a range of state-of-the-art assays for rapid epigenetic profiling in disease, model development, preclinical testing, and clinical studies – from discovery to market ready.

Including research in

- Oncology
- Inflammation
- Autoimmune diseases
- Thrombosis

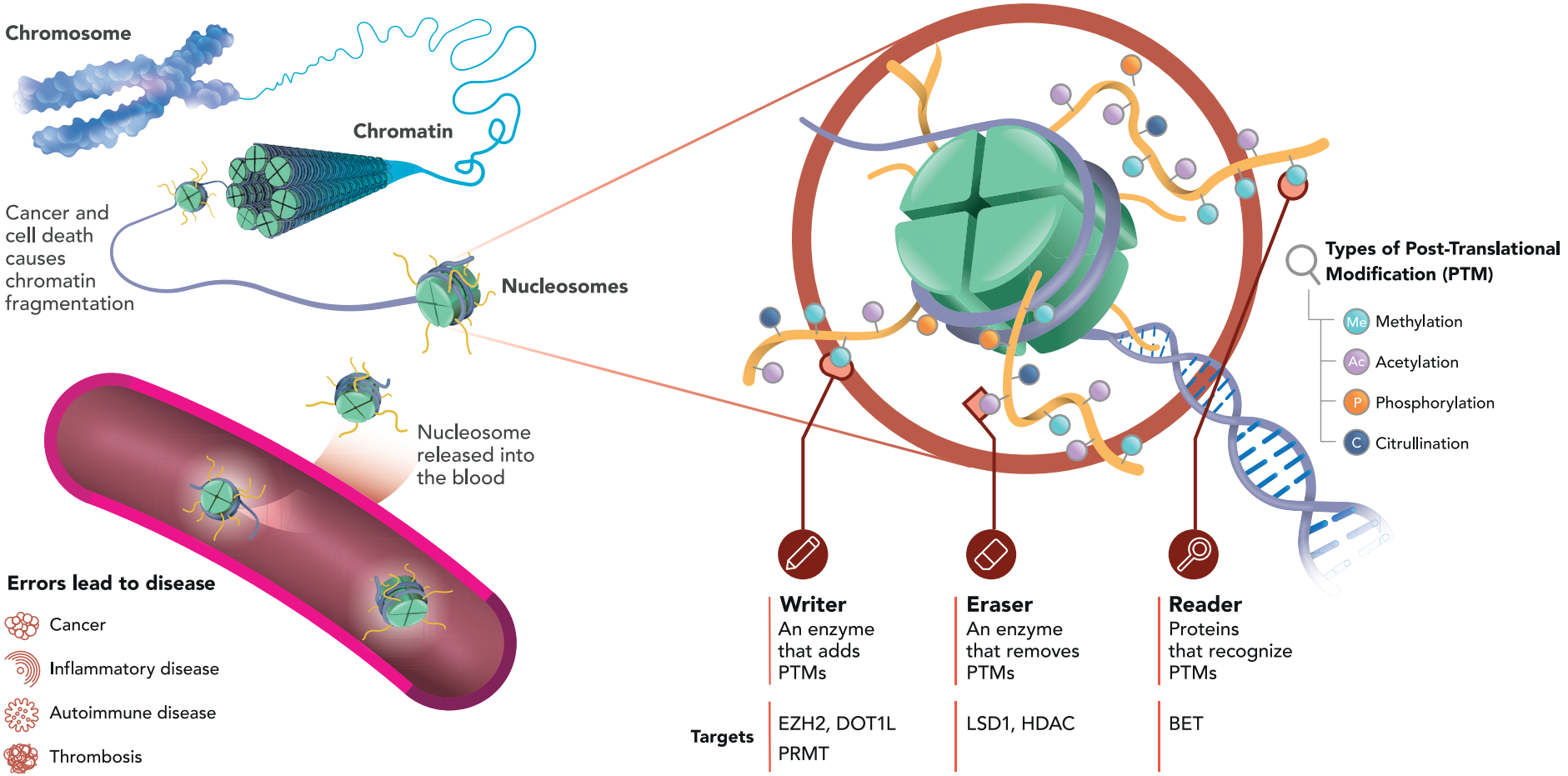
Volition

diapharma®

For research use only. Not for use in diagnostic procedures.

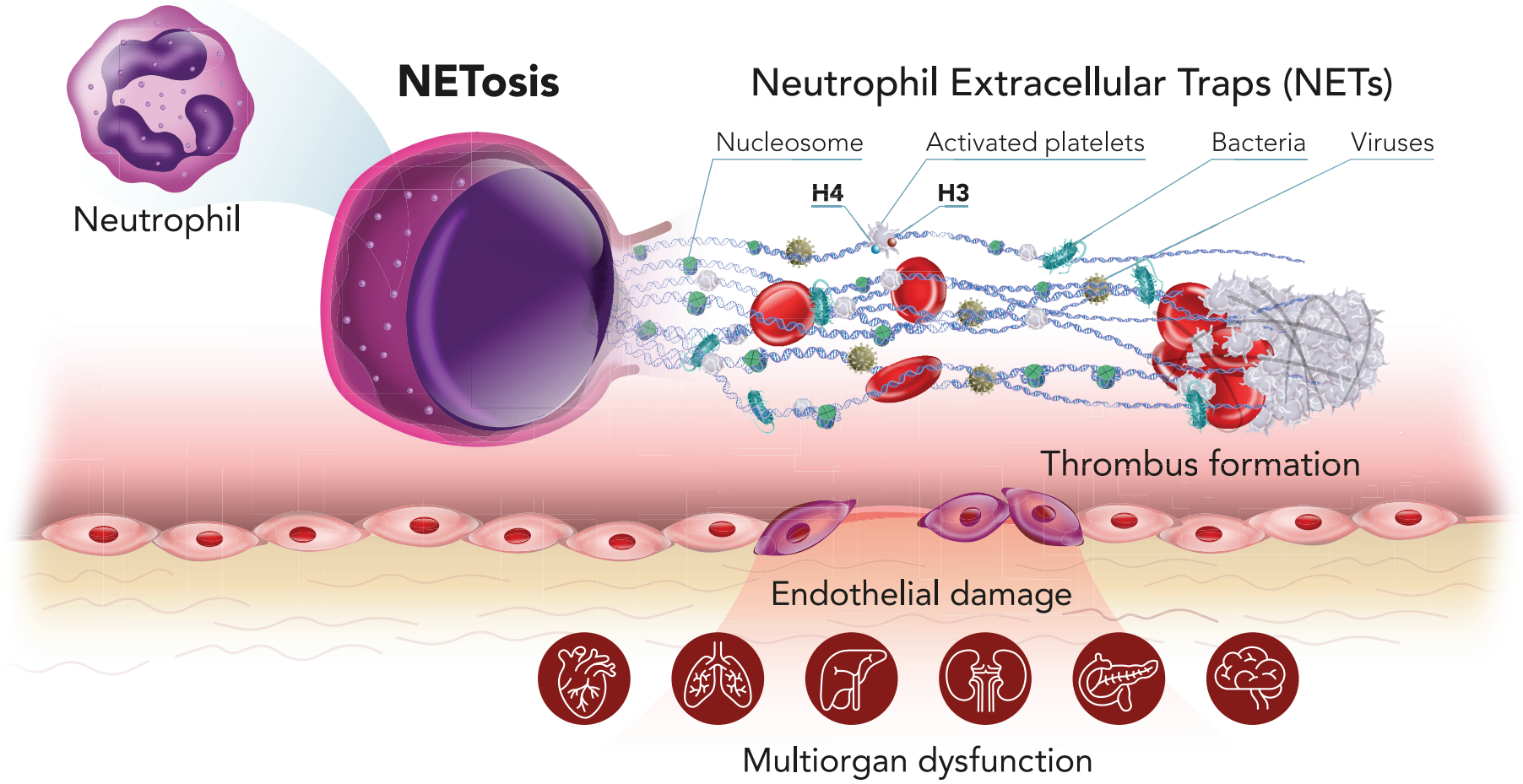
Epigenetic biomarkers: a valuable tool from target identification to validation in clinical studies.

Measuring and monitoring nucleosome levels and modifications in circulating blood has the potential to aid diagnosis, prognosis and monitoring of many human diseases.



References: Li X and Li XD. Integrative Chemical Biology Approaches to Deciphering the Histone Code: A Problem-Driven Journey. Acc Chem Res 2021 54(19), 3734-3747; Regnier FE, Kim J. Proteins and Proteoforms: New Separation Challenges. Anal Chem 2018 Jan 2;90(1):361-373

The role of NETs in endothelial damage and the formation of microthrombi and resultant multiorgan failure.



Adapted from Henry Ng. Arteriosclerosis, Thrombosis, and Vascular Biology. Circulating Markers of Neutrophil Extracellular Traps Are of Prognostic Value in Patients With COVID-19, Volume: 41, Issue: 2, Pages: 988-994, DOI: (10.1161/ATVBAHA.120.315267) and Vélez-Páez JL, Rueda-Barragán FE, Dueñas-Andrade S, Rodrigez-Morales A, Kyriakidis NC. The role of platelets and neutrophil extracellular traps (NETs) in sepsis: A comprehensive literature review. Microbes Infect Chemother. 2023; 3: e1595

Nu.Q® Discover H3.1 Research Use Only Assay.

Convenience:

- cf-nucleosome quantification technology run manually on ELISA sandwich immunoassay platform.
- No assay development required, assay ready to run.

Sensitivity & Specificity:

- Low sample volumes. Use with EDTA plasma, cell culture extract, supernatant.
- Detection antibody recognizes a nucleosome specific epitope ensuring detection of only intact nucleosomes.
- Typical reproducibility:
  - Precision for Nu.Q® H3.1 intra-run less than 15%CV.
  - Precision for Nu.Q® H3.1 inter-run less than 20%CV.
- Dynamic range reflects that of clinical samples with the lower limit of quantification: 22.7ng/ml for Nu.Q® H3.1.

Quality:

- Assay developed based on CLSI guidelines.
- Expert support for your research needs.

Abbreviations: cf; cell-free, CLSI, Clinical and Laboratory Standards Institute; CV, coefficient of variation; EDTA, ethylenediaminetetraacetic acid.

Volition

diapharma®

DiaPharma provides solutions through superior specialty diagnostic and research tools with personal technical and customer support that enhances life through partnerships.

Customer Service and Orders: 1.800.526.5224

Technical Support and Product Information: 1.800.447.3846

info@diapharma.com

diapharma.com | volition.com

The Nu.Q Discover H3.1 Research Use Only Kit is supplied by Belgium Volition SRL and is distributed by DiaPharma in the U.S.A and Canada.
Date of production June 2023

For research use only. Not for use in diagnostic procedures.

CLSI

Developed based on CLSI guidelines