

Inflammatory extracellular vesicles

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Organisation

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Country Belgium

Geographical Area Flemish Region

SCOPE OF THE METHOD

The Method relates to	Human health
The Method is situated in	Basic Research, Translational - Applied Research
Type of method	In vitro - Ex vivo
Specify the type of cells/tissues/organs	HUVEC/ THP-1

DESCRIPTION

Method keywords

EV isolation

EV characterization

profiling

Scientific area keywords

cardiovascular disorders

Method description

TEM, NTA and western blot were used to characterize the purified inflammation-associated EV subpopulations from TNF- α treated HUVEC based on their sedimentation speeds (10K and 110K) and surface markers (CDs and ICAM-1). Protein arrays were used to discover the immunomodulatory content of subpopulations. In addition, functional integrity of the EV subpopulations was assessed using migration cell based assays.

Lab equipment

NTA

TEM

WB

Protein array

SPR

FACs

Method status

Published in peer reviewed journal

Currently submitted for further validation by an external party (e.g. OECD, EURL ECVAM,...)

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

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