

## Inflammatory extracellular vesicles

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### Contact person

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### Organisation

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**Country** Belgium

**Geographical Area** Flemish Region

## SCOPE OF THE METHOD

<b>The Method relates to</b>	Human health
<b>The Method is situated in</b>	Basic Research, Translational - Applied Research
<b>Type of method</b>	In vitro - Ex vivo
<b>Specify the type of cells/tissues/organs</b>	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- $\alpha$  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**

*Coordinated by*



*Financed by*



**Vlaanderen**  
verbeelding werkt

