

General information		
Title	Engineering homologous platelet-rich plasma, platelet-rich plasma-derived exosomes, and mesenchymal stem cell-derived exosomes-based dual-crosslinked hydrogels as bioactive diabetic wound dressings	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	-80 °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	At 4 °C: 300 g for 10 minutes, 1500 g for 15 minutes, 3200 g for 20 minutes, then 20,000 g for 30 minutes. After ultrafiltration: 100,000 g for 70 minutes at 4 °C, wash with PBS, then pelleted again under the same conditions and reconstituted in PBS. Using Nanosep centrifugal device: 14,000 g for 20 minutes at 4 °C	
Size based	size exclusion	Ultrafiltration with a 0.22 μ m filter. After reconstituion: Nanosep centrifugal device at 100 kDa.	
Precipitation based	1	1	
Affinity purification	1	1	



EV isolation			
Category	Methods used	Details	
Chromatography	1	1	
Microfluidics	1	1	

EV characterization				
		Parameter	Unit	Method
		Particle number	6.94x10e10 particles/ml	Nano tracking analysis
_	Size & concentration	Particle size	60 ± 10 nm	Nano tracking analysis
catio		Particle/protein ratio	particles/µg	
Quantification		Protein content	1	1
Ŏ	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD63;CD81;CD9	Western blot,
	Identity	Category 2- Cytosolic proteins recovered in EVs	1	Western blot,
·		Category 3- Major components of non-EV co-isolated structures	1	Western blot,
	Visualization	TEM		TEM,

	EV function(s)
Vasculogenesis and Angiogenesis;Immunomodulation;Endogenous regeneration	

MiBlood-EV				
	Time period of experiment (Years)	1		
Blood study information	Number of samples	32		
	Biospecimen type	Plasma		
	Biospecimen state	Fresh		
	Source of frozen specimen	Prepared by the lab		
	Patient fasting status	Uncertain		
	Fasting length (e.g. hours/days)	N/A		



MiBlood-EV		
	Anatomical access site	Heart
	Needle diameter (e.g. gauge)	20
	Blood volume collected (mL)	N/A
	Plasma anticoagulant	EDTA
	Other plasma anticoagulant	/
	Serum tube type	/
	Serum clotting time (minutes)	/
	Time between collection and first centrifugation (range in hours)	/
	Transport temperature	/
	Transport condition of tubes	/
	Centrifuge brand and model	/
	Bucket rotor type	/
Blood collection and	Number of centrifugation cycles	2
processing	1st Centrifugation speed (RCF in x g)	900
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	1500
	2nd Rotor brake	1
	2nd Centrifugation temperature	1
	Additional processing steps (e.g. filtration)	Addition of prostaglandin E1 (100 ng/ml) to prevent platelet activation before the second centrifugation step.
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	Uncertain
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	Not tested
	Number of samples affected (e.g. <25%, 25-50%)	1
	Method used	1
	Other method used	I
	RBC count (Median, 95% CI, N)	1



	MiBlood-E	v
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	/
	Presence of platelets	Yes
	Method used for platelets	/
	Other method used	/
	Platelet marker(s) used (e.g. CD61, CD41)	/
	Concentration (median, 95% CI, N)	/
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	/
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	/
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Exosomes derived from platelet-rich plasma promote diabetic wound healing via the JAK2/ STAT3 pathway	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

	Collection and storage	
	Cell type origin	Animalia / / Blood (Plasma/Serum) /
	Passaging	
	Seeding density	cells/cm²
Releasing cell	Cell viability	
information	Culture volume	ml
	Culture vessel	
	Oxygen level	%
	Culturing medium	
Culture	Duration of cultivation	
conditions	Harvesting medium	
	Cell count at harvest	cells
Storage and	Condition medium	°C
recovery	EV preparations	-80 °C

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	250 g x 15 minutes, 300 g x 10 minutes, 2000 g x 10 minutes, ultrafiltration, 4000 g x 50 minutes (15ml ultrafiltration centrifugal tube), wash with PBS, 400 g x 50 minutes (15ml ultrafiltration centrifugal tube), 100,000 g x 70 minutes, wash with PBS, 100,000 g x 70 minutes	
Size based	size exclusion	Ultrafiltration with a 0.22 μm filter	
Precipitation based	1	1	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	1	1	



	EV characterization			
		Parameter	Unit	Method
		Particle number	1	I
	Size & concentration	Particle size	117.5 nm	Nano tracking analysis
catio		Particle/protein ratio	1	I
Quantification		Protein content	1	I
Quí	Composition	Lipid content	1	I
		RNA content	1	I
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD41;CD63;CD81;CD9	Western blot,
Identity		Category 2- Cytosolic proteins recovered in EVs	/	Western blot,
	,	Category 3- Major components of non-EV co-isolated structures	/	Western blot,
	Visualization	TEM		TEM,

	EV funct	cion(s)	
Cytoprotection; Vasculogenesis and			
Angiogenesis; Endogenous			
regeneration			

MiBlood-EV			
	Time period of experiment (Years)	1	
	Number of samples	1	
Blood study information	Biospecimen type	Plasma	
	Biospecimen state	Fresh	
	Source of frozen specimen	1	
	Patient fasting status	Uncertain	
	Fasting length (e.g. hours/days)	/	
	Anatomical access site	/	
	Needle diameter (e.g. gauge)	/	
	Blood volume collected (mL)	1	
	Plasma anticoagulant	1	
	Other plasma anticoagulant	ACD-A	
	Serum tube type	/	



	MiBlood-E	v
	Serum clotting time (minutes)	/
	Time between collection and first centrifugation (range in hours)	1
	Transport temperature	/
	Transport condition of tubes	/
	Centrifuge brand and model	/
Blood collection and	Bucket rotor type	/
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	160
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	250
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	Not tested
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	/
	RBC count (Median, 95% CI, N)	1
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	1
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	Yes
	Method used for platelets	1



MiBlood-EV			
	Other method used	1	
	Platelet marker(s) used (e.g. CD61, CD41)	/	
	Concentration (median, 95% CI, N)	/	
	Platelet counter instrument brand and type	/	
	Flow cytometer brand and type	/	
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/	
	Presence of lipoproteins	/	
	Method used (WB, ELISA, FC)	/	
	Other method used	/	
	Spectrophotometry L-index	/	
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/	
	WB Marker(s) used (e.g. Apo B)	/	
	Western blot images provided in manuscript?	/	
	Flow cytometry marker(s) used (e.g. ApoB)	/	
	Flow cytometry concentration (median, 95% CI, N)	/	
	Flow cytometer brand and type	/	
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/	



General information		
Title	Sphingosine-1-phosphate derived from PRP-Exos promotes angiogenesis in diabetic wound healing via the S1PR1/AKT/FN1 signalling pathway	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	-80 °C		

EV isolation				
Category	Methods used	Details		
Density based	Ultracentrifugation	500 g x 10 minutes, 1500 g x 10 minutes, 2500 g x 10 minutes, filtration, 100,000 g x 70 minutes repeated twice, PBS wash, 100,000 g x 70 minutes		
Size based	size exclusion	Filtration to remove large residues: 0.45 µm filter		
Precipitation based	1	1		
Affinity purification	1	1		
Chromatography	1	1		
Microfluidics	1	1		



	EV characterization				
		Parameter	Unit	Method	
		Particle number	1	I	
	Size & concentration	Particle size	50-150 nm	Nano tracking analysis	
catio		Particle/protein ratio	1	I	
Quantification		Protein content	1	I	
Önğ	Composition	Lipid content	1	I	
		RNA content	1	I	
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD41;CD63	1,	
Identity		Category 2- Cytosolic proteins recovered in EVs	Flotillin;TSG101	1,	
	,	Category 3- Major components of non-EV co-isolated structures	1	1,	
	Visualization TEM			TEM,	

	EV function(s)	
Vasculogenesis and Angiogenesis;Endogenous regeneration		

MiBlood-EV			
	Time period of experiment (Years)	/	
	Number of samples	15	
Blood study information	Biospecimen type	Plasma	
	Biospecimen state	Fresh	
	Source of frozen specimen	1	
	Patient fasting status	1	
	Fasting length (e.g. hours/days)	/	
	Anatomical access site	/	
	Needle diameter (e.g. gauge)	/	
	Blood volume collected (mL)	1	
	Plasma anticoagulant	1	
	Other plasma anticoagulant	/	
	Serum tube type	/	



	MiBlood-E	v
	Serum clotting time (minutes)	/
	Time between collection and first centrifugation (range in hours)	1
	Transport temperature	/
	Transport condition of tubes	/
	Centrifuge brand and model	1
Blood collection and	Bucket rotor type	/
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	Not tested
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	/
	RBC count (Median, 95% CI, N)	/
	RBC counter brand and type	/
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	J
	Method used for platelets	1



	MiBlood-E	v
	Other method used	1
	Platelet marker(s) used (e.g. CD61, CD41)	/
	Concentration (median, 95% CI, N)	/
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	/
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	/
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/



General information		
Title	MALAT1 participates in the role of platelet-rich plasma exosomes in promoting wound healing of diabetic foot ulcer	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	-80 °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	250 g x 15 minutes, 10,000 g x 10 minutes, washed with PBS, add Blood PureExo Solution, 10,000 g x 10 minutes, filtered, 3000 g x 10 minutes	
Size based	size exclusion	Exosome Purification Filter	
Precipitation based	1	Blood PureExo Solution	
Affinity purification	1	/	
Chromatography	1	/	
Microfluidics	1	/	



EV characterization				
		Parameter	Unit	Method
		Particle number	1	1
_	Size & concentration	Particle size	40-100 nm	Nano tracking analysis
catio		Particle/protein ratio	1	I
Quantification		Protein content	1	I
Quí	Composition	Lipid content	1	I
		RNA content	1	I
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes		1
	Identity	Category 2- Cytosolic proteins recovered in EVs		1
,		Category 3- Major components of non-EV co-isolated structures		1
	Visualization	TEM	TEM,	1

	EV function(s)	
Cytoprotection;Immunomodulation;End- regeneration		

	MiBlood-E	v
	Time period of experiment (Years)	/
	Number of samples	/
Blood study information	Biospecimen type	Plasma
	Biospecimen state	Fresh
	Source of frozen specimen	/
	Patient fasting status	/
	Fasting length (e.g. hours/days)	/
	Anatomical access site	/
	Needle diameter (e.g. gauge)	/
	Blood volume collected (mL)	/
	Plasma anticoagulant	/
	Other plasma anticoagulant	ACD-A
	Serum tube type	/
	Serum clotting time (minutes)	/



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	1
	Transport temperature	/
	Transport condition of tubes	1
	Centrifuge brand and model	/
Blood collection and	Bucket rotor type	/
processing	Number of centrifugation cycles	1
	1st Centrifugation speed (RCF in x g)	160 g
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	1000 g
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	No
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	/
	RBC count (Median, 95% CI, N)	/
	RBC counter brand and type	/
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	1
	Hemolized samples were discarded	1
	Presence of platelets	1
	Method used for platelets	1
	Other method used	/



	MiBlood-E	v
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Synergy of Human Platelet-Derived Extracellular Vesicles with Secretome Proteins Promotes Regenerative Functions	
Nomenclature used	Extracellular vesicles (EV)	
Application	Therapeutic	
EV-track ID		

Collection and storage			
	Cell type origin	Animalia / / Platelets /	
	Passaging		
	Seeding density	cells/cm²	
Releasing cell	Cell viability		
information	Culture volume	ml	
	Culture vessel		
	Oxygen level	%	
	Culturing medium		
Culture	Duration of cultivation		
conditions	Harvesting medium		
	Cell count at harvest	cells	
Storage and	Condition medium	°C	
recovery	EV preparations	N/A °C	

EV isolation			
Category	Methods used	Details	
Density based	1	/	
Size based	size exclusion;tangential flow filtration	$0.22\ \mu m$ filter, then tangential flow filtration	
Precipitation based	1	/	
Affinity purification	1	/	
Chromatography	NA	qEV2 size-exclusion chromatography (Izon Science, Christ Church, New Zealand)	
Microfluidics	1	1	



	EV characterization			
		Parameter	Unit	Method
		Particle number	2.2x10e12 particles/ml	1
	Size & concentration	Particle size	1	1
Quantification		Particle/protein ratio	particles/µg	
antifi		Protein content	132.3 (SD: 16.1) mg/ml	1
Que	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD63;CD9	1,
Identity		Category 2- Cytosolic proteins recovered in EVs	1	1,
	,	Category 3- Major components of non-EV co-isolated structures	1	Ι,
	Visualization	/		/,

	EV function(s)	
Vasculogenesis and Angiogenesis;Endogenous regeneration			



	General information		
Title	Exosomes derived from platelet-rich plasma promote the re-epithelization of chronic cutaneous wounds vactivation of YAP in a diabetic rat model		
Nomenclature used	Exosomes		
Application	Therapeutic		
EV-track ID			

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	-80 °C		

EV isolation				
Category	Methods used	Details		
Density based	Ultracentrifugation	250 g x 15 minutes, wash 3x with PBS, 300 g x 10 minutes, 2000 g x 10 minutes, ultrafiltration, 4000 g using the a filter unit, wash 3x with PBS, 4000 g, $100,000 \text{ g x 70 minutes}$		
Size based	Ultrafiltration	0.22 μm filter 15 mL Amicon Ultra-15 Centrifugal Filter Unit		
Precipitation based	1	1		
Affinity purification	1	1		
Chromatography	1	/		
Microfluidics	1	1		



	EV characterization			
		Parameter	Unit	Method
		Particle number	1	I
_	Size & concentration	Particle size	40-100 nm	1
cation		Particle/protein ratio	1	1
Quantification		Protein content	1	1
Que	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD41;CD63;CD81;CD9	Western blot,
ldentity		Category 2- Cytosolic proteins recovered in EVs	1	Western blot,
		Category 3- Major components of non-EV co-isolated structures	1	Western blot,
Visualization		TEM		TEM,

	EV function(s)	
Vasculogenesis and Angiogenesis;Endogenous regeneration		

MiBlood-EV		
	Time period of experiment (Years)	1
	Number of samples	1
Blood study information	Biospecimen type	Plasma
	Biospecimen state	Fresh
	Source of frozen specimen	1
	Patient fasting status	1
	Fasting length (e.g. hours/days)	1
	Anatomical access site	1
	Needle diameter (e.g. gauge)	1
	Blood volume collected (mL)	1
	Plasma anticoagulant	1
	Other plasma anticoagulant	ACD-A
	Serum tube type	/



Serum clotting time (minutes) / Time between callection and first centrifugation (range in hours) / Transport temperature / Descripting the properation of tubes / Centrifugation to tubes / Transport condition of tubes / Transport temperature / Transport condition of tubes / Transport		MiBlood-E	v
Centrifugation (range in hours) Transport temperature Transport condition of tubes Centrifuge brand and model Bucket rotor type Number of centrifugation cycles 1st Centrifugation speed (RCF in x g) 1st Centrifugation speed (RCF in x g) 1st Centrifugation temperature 2nd Centrifugation temperature 2nd Centrifugation temperature 2nd Centrifugation temperature 4nd ditional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage tubes (brand, type, source, catalog number) Thawing temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Atthebut used Other method used Other method used Other method used Other method used Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 mm) Hemolized samples were discarded Presence of platelets		Serum clotting time (minutes)	1
Transport condition of tubes Centrifuge brand and model Bucket rotor type / Number of centrifugation cycles 1st Centrifugation speed (RCF in x g) 1st Centrifugation temperature / Lst Centrifugation temperature / 2nd Centrifugation speed (RCF in x g) 2nd Rotor brake / 2nd Centrifugation temperature Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used Other method used / RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets / Presence of platelets			/
Blood collection and processing Blood collection and processing Number of centrifugation cycles 1st Centrifugation speed (RCF in x g) 1st Centrifugation temperature 2nd Centrifugation speed (RCF in x g) 2nd Rotor brake 2nd Centrifugation temperature 2nd Centrifugation temperature 2nd Centrifugation temperature 4ndditional processing steps (e.g. filtration) 5torage tubes (brand, type, source, catalog number) Storage tubes (brand, type, source, catalog number) 4number) Storage temperature 4number of freeze-thaw cycles (range) 7nawing temperature (°C) 7nawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 22-50%) Method used Other method used 7naminumery Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry frand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets / Presence of platelets		Transport temperature	/
Blood collection and processing Rumber of centrifugation cycles 1st Centrifugation speed (RCF in x g) 1st Centrifugation speed (RCF in x g) 1st Centrifugation temperature 2nd Centrifugation speed (RCF in x g) 2nd Rotor brake 2nd Centrifugation temperature / Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage tubes (range in years) Number of storage (range in years) Number of freeze-thaw cycles (range) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25.50%) Method used Other method used Other method used Other method used Other method used Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets /		Transport condition of tubes	/
Blood collection and processing Number of centrifugation cycles 1st Centrifugation speed (RCF in x g) 1st Centrifugation temperature 2nd Centrifugation speed (RCF in x g) 2nd Rotor brake 2nd Centrifugation temperature / Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25.50%) Method used Other method used Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets		Centrifuge brand and model	/
Processing Number of centrifugation cycles 1st Centrifugation speed (RCF in x g) 1st Rotor brake 1st Centrifugation temperature 2nd Centrifugation speed (RCF in x g) 2nd Rotor brake 2nd Centrifugation temperature 4dditional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used Other method used RBC count (Median, 95% Cl, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets	Pland callection and	Bucket rotor type	/
1st Rotor brake / 1st Centrifugation temperature / 2nd Centrifugation speed (RCF in x g) 250 2nd Rotor brake / 2nd Centrifugation temperature / Additional processing steps (e.g. filtration) / Storage tubes (brand, type, source, catalog number) / Storage temperature / Length of storage (range in years) / Number of freeze-thaw cycles (range) / Thawing temperature (°C) / Thawing duration (minutes) / Presence of hemolysis / Number of samples affected (e.g. <25%, 25.50%) / Method used / Other method used / RBC count (Median, 95% Cl, N) / RBC counter brand and type / Spectrophotometer brand, model and wavelength measured (e.g. 414 mm) / Hemolized samples were discarded / Presence of platelets /		Number of centrifugation cycles	/
1st Centrifugation temperature 2nd Centrifugation speed (RCF in x g) 2nd Rotor brake 2nd Centrifugation temperature Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (*C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% Cl, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 mm) Hemolized samples were discarded / Presence of platelets / Presence of platelets		1st Centrifugation speed (RCF in x g)	160
2nd Rotor brake 2nd Centrifugation temperature / Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets		1st Rotor brake	/
2nd Rotor brake 2nd Centrifugation temperature Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometry brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets		1st Centrifugation temperature	/
2nd Centrifugation temperature Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /		2nd Centrifugation speed (RCF in x g)	250
Additional processing steps (e.g. filtration) Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets /		2nd Rotor brake	/
Storage tubes (brand, type, source, catalog number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets /		2nd Centrifugation temperature	/
number) Storage temperature Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets / / / / / / / / / /		Additional processing steps (e.g. filtration)	/
Length of storage (range in years) Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /			1
Number of freeze-thaw cycles (range) Thawing temperature (°C) Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets / // // // // // // // //		Storage temperature	/
Thawing temperature (°C) / Thawing duration (minutes) / Presence of hemolysis / Number of samples affected (e.g. <25%, 25-50%) / Method used / Other method used / RBC count (Median, 95% CI, N) / RBC counter brand and type / Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /		Length of storage (range in years)	/
Thawing duration (minutes) Presence of hemolysis Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets /		Number of freeze-thaw cycles (range)	/
Presence of hemolysis / Number of samples affected (e.g. <25%, 25-50%) / Method used / Other method used / RBC count (Median, 95% CI, N) / RBC counter brand and type / Spectrophotometry hemoglobin concentration (g/L) / Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) / Hemolized samples were discarded / Presence of platelets /		Thawing temperature (°C)	/
Number of samples affected (e.g. <25%, 25-50%) Method used Other method used RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets /		Thawing duration (minutes)	/
25-50%) Method used Other method used (RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded Presence of platelets /		Presence of hemolysis	/
Other method used / RBC count (Median, 95% CI, N) / RBC counter brand and type / Spectrophotometry hemoglobin concentration (g/L) / Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) / Hemolized samples were discarded / Presence of platelets /			/
RBC count (Median, 95% CI, N) RBC counter brand and type Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /		Method used	/
RBC counter brand and type / Spectrophotometry hemoglobin / concentration (g/L) / Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) / Hemolized samples were discarded / Presence of platelets /		Other method used	/
Spectrophotometry hemoglobin concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /		RBC count (Median, 95% CI, N)	/
concentration (g/L) Spectrophotometer brand, model and wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /		RBC counter brand and type	/
wavelength measured (e.g. 414 nm) Hemolized samples were discarded / Presence of platelets /			/
Presence of platelets /			/
		Hemolized samples were discarded	I
Method used for platelets /		Presence of platelets	/
		Method used for platelets	I



	MiBlood-E	v
	Other method used	1
	Platelet marker(s) used (e.g. CD61, CD41)	/
	Concentration (median, 95% CI, N)	/
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	/
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	/
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/



	General information		
Title	Platelet rich plasma-derived microvesicles increased in vitro wound healing		
Nomenclature used	Microvesicles (MV)		
Application	Therapeutic		
EV-track ID			

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	N/A °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	20000 g x 40 minutes	
Size based	1	1	
Precipitation based	1	1	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	I	1	



	EV characterization			
		Parameter	Unit	Method
		Particle number	1	1
_	Size & concentration	Particle size	1	1
catio		Particle/protein ratio	1	1
Quantification		Protein content	1	1
One	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes		I
	Identity	Category 2- Cytosolic proteins recovered in EVs		I
	·	Category 3- Major components of non-EV co-isolated structures		I
	Visualization		1	

	EV function(s)	
Endogenous regeneration		

	MiBlood-E	v
	Time period of experiment (Years)	/
	Number of samples	/
Blood study information	Biospecimen type	Plasma
	Biospecimen state	Fresh
	Source of frozen specimen	/
	Patient fasting status	/
	Fasting length (e.g. hours/days)	/
	Anatomical access site	1
	Needle diameter (e.g. gauge)	1
	Blood volume collected (mL)	1
	Plasma anticoagulant	Heparin
	Other plasma anticoagulant	/
	Serum tube type	/
	Serum clotting time (minutes)	/



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	I
	Transport temperature	1
	Transport condition of tubes	I
	Centrifuge brand and model	I
Blood collection and	Bucket rotor type	1
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	1
	Thawing temperature (°C)	/
	Thawing duration (minutes)	1
	Presence of hemolysis	1
	Number of samples affected (e.g. <25%, 25-50%)	1
	Method used	/
	Other method used	1
	RBC count (Median, 95% CI, N)	1
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	I
	Other method used	1



	MiBlood-E	v
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information			
Title	Human Hair Outer Root Sheath Cells and Platelet-Lysis Exosomes Promote Hair Inductivity of Dermal Papilla Cell		
Nomenclature used	Exosomes		
Application	Therapeutic		
EV-track ID			

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	-80 °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	300 g x 10 minutes, 2000 g x 10 minutes, 10,000 g, 100,000 g for 2 hours	
Size based	1	1	
Precipitation based	1	/	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	1	1	



	EV characterization			
		Parameter	Unit	Method
		Particle number	1	1
_	Size & concentration	Particle size	30-100 nm	Nano tracking analysis
catio		Particle/protein ratio	1	I
Quantification		Protein content	1	1
Qué	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD63;CD81;CD9	1,
	Identity	Category 2- Cytosolic proteins recovered in EVs	TSG101	1.
	,	Category 3- Major components of non-EV co-isolated structures	1	1,
	Visualization	TEM		TEM,

	EV function(s)	
Endogenous regeneration		

	MiBlood-E	v
	Time period of experiment (Years)	/
	Number of samples	1
Blood study information	Biospecimen type	1
	Biospecimen state	Fresh
	Source of frozen specimen	/
	Patient fasting status	/
	Fasting length (e.g. hours/days)	/
	Anatomical access site	1
	Needle diameter (e.g. gauge)	1
	Blood volume collected (mL)	1
	Plasma anticoagulant	1
	Other plasma anticoagulant	1
	Serum tube type	/
	Serum clotting time (minutes)	/



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	I
	Transport temperature	1
	Transport condition of tubes	I
	Centrifuge brand and model	I
Blood collection and	Bucket rotor type	1
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	1
	Thawing temperature (°C)	/
	Thawing duration (minutes)	1
	Presence of hemolysis	1
	Number of samples affected (e.g. <25%, 25-50%)	1
	Method used	/
	Other method used	1
	RBC count (Median, 95% CI, N)	1
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	I
	Other method used	1



	MiBlood-E	v
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Effects of Adipose-Derived Stem Cells and Platelet-Rich Plasma Exosomes on The Inductivity of Hair Dermal Papilla Cells	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	-80 °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	300 g x 10 minutes, 2000 g x 10 minutes, 10,000 g, 10,000 g x 2 hours repeated twice	
Size based	1	1	
Precipitation based	1	/	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	1	1	



EV characterization				
		Parameter	Unit	Method
		Particle number	1	1
_	Size & concentration	Particle size	50-150 nm	Nano tracking analysis
catio		Particle/protein ratio	1	I
Quantification		Protein content	1	I
Quí	C Composition	Lipid content	1	I
		RNA content	1	I
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD63;CD81;CD9	1,
	Identity	Category 2- Cytosolic proteins recovered in EVs	TSG101	1,
	,	Category 3- Major components of non-EV co-isolated structures	1	1,
	Visualization	TEM		TEM,

	EV function(s)	
Endogenous regeneration		

	MiBlood-E	v
	Time period of experiment (Years)	/
	Number of samples	1
Blood study information	Biospecimen type	1
	Biospecimen state	1
	Source of frozen specimen	/
	Patient fasting status	/
	Fasting length (e.g. hours/days)	/
	Anatomical access site	1
	Needle diameter (e.g. gauge)	1
	Blood volume collected (mL)	1
	Plasma anticoagulant	1
	Other plasma anticoagulant	/
	Serum tube type	/
	Serum clotting time (minutes)	/



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	I
	Transport temperature	1
	Transport condition of tubes	I
	Centrifuge brand and model	I
Blood collection and	Bucket rotor type	1
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	1
	Thawing temperature (°C)	/
	Thawing duration (minutes)	1
	Presence of hemolysis	1
	Number of samples affected (e.g. <25%, 25-50%)	1
	Method used	/
	Other method used	1
	RBC count (Median, 95% CI, N)	1
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	I
	Other method used	1



	MiBlood-E	v
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Human platelet lysate-derived exosomes are superior to the lysate at increasing collagen deposition in a rat model of intrinsic aging	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	N/A °C		

EV isolation					
Category	Methods used	Details			
Density based	1	1			
Size based	1	1			
Precipitation based	1	1			
Affinity purification	1	1			
Chromatography	NA	Size-exclusion chromatography (automatic fraction collector [AFC]izon qEV, Izon Science, New Zealand)			
Microfluidics	1	1			



EV characterization					
		Parameter	Unit	Method	
Quantification	Size & concentration	Particle number	1	1	
		Particle size	113 nm	Nano tracking analysis	
		Particle/protein ratio	1	1	
	Composition	Protein content	1	1	
		Lipid content	1	1	
		RNA content	1	1	
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes		I	
Identity		Category 2- Cytosolic proteins recovered in EVs		I	
	,	Category 3- Major components of non-EV co-isolated structures		I	
	Visualization		1		

EV function(s)			
Endogenous regeneration			

MiBlood-EV					
	Time period of experiment (Years)	I			
	Number of samples	1			
Blood study information	Biospecimen type	1			
	Biospecimen state	1			
	Source of frozen specimen	1			
	Patient fasting status	1			
	Fasting length (e.g. hours/days)	1			
	Anatomical access site	1			
	Needle diameter (e.g. gauge)	1			
	Blood volume collected (mL)	1			
	Plasma anticoagulant	1			
	Other plasma anticoagulant	1			
	Serum tube type	/			
	Serum clotting time (minutes)	1			



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	I
	Transport temperature	1
	Transport condition of tubes	I
	Centrifuge brand and model	I
Blood collection and	Bucket rotor type	1
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	1
	Thawing temperature (°C)	/
	Thawing duration (minutes)	1
	Presence of hemolysis	1
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	1
	RBC count (Median, 95% CI, N)	1
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	I
	Other method used	1



	MiBlood-E	v
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Exosomal miRNA-26b-5p from PRP suppresses NETs by targeting MMP-8 to promote diabetic wound healing	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	N/A °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	100,000 g x 70 minutes repeated twice	
Size based	1	/	
Precipitation based	1	1	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	1	1	



EV characterization				
Parameter		Unit	Method	
		Particle number	7.7x10e9 particles/ml	Nano tracking analysis
_	Size & concentration	Particle size	30-150 nm	Nano tracking analysis
catio		Particle/protein ratio	particles/µg	
Quantification		Protein content	1	1
On	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD41;CD63	/,
	Identity	Category 2- Cytosolic proteins recovered in EVs	TSG101	1,
	ŕ	Category 3- Major components of non-EV co-isolated structures	1	1,
Visualization TEM,		TEM,		

	EV function(s)
Cytoprotection;Immunomodulation;End- regeneration	

MiBlood-EV		
	Time period of experiment (Years)	/
	Number of samples	/
Blood study information	Biospecimen type	Plasma
	Biospecimen state	/
	Source of frozen specimen	/
	Patient fasting status	/
	Fasting length (e.g. hours/days)	/
	Anatomical access site	/
	Needle diameter (e.g. gauge)	/
	Blood volume collected (mL)	/
	Plasma anticoagulant	/
	Other plasma anticoagulant	/
	Serum tube type	/
	Serum clotting time (minutes)	/



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	I
	Transport temperature	1
	Transport condition of tubes	I
	Centrifuge brand and model	I
Blood collection and	Bucket rotor type	1
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	1
	Thawing temperature (°C)	/
	Thawing duration (minutes)	1
	Presence of hemolysis	1
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	1
	RBC count (Median, 95% CI, N)	1
	RBC counter brand and type	1
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	I
	Other method used	1



	MiBlood-E	v
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Fiber-reinforced gelatin/β-cyclodextrin hydrogels loaded with platelet-rich plasma-derived exosomes for diabetic wound healing	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage				
	Cell type origin	Animalia / / Blood (Plasma/Serum) /		
	Passaging			
	Seeding density	cells/cm²		
Releasing cell	Cell viability			
information	Culture volume	ml		
	Culture vessel			
	Oxygen level	%		
	Culturing medium			
Culture	Duration of cultivation			
conditions	Harvesting medium			
	Cell count at harvest	cells		
Storage and	Condition medium	°C		
recovery	EV preparations	N/A °C		

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	10000 g x 30 minutes, 110,000 g x 70 minutes repeated twice	
Size based	1	1	
Precipitation based	1	1	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	1	1	



	EV characterization			
		Parameter	Unit	Method
		Particle number	1	I
_	Size & concentration	Particle size	30-150 nm	Nano tracking analysis
catio		Particle/protein ratio	1	I
Quantification		Protein content	1	I
Quí	Composition	Lipid content	1	I
		RNA content	1	I
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD81	1,
	Identity	Category 2- Cytosolic proteins recovered in EVs	HSC70;TSG101	1,
	,	Category 3- Major components of non-EV co-isolated structures	1	Ι,
	Visualization	TEM		TEM,

	EV funct	cion(s)	
Cytoprotection; Vasculogenesis and			
Angiogenesis; Endogenous			
regeneration			

MiBlood-EV				
	Time period of experiment (Years)	/		
	Number of samples	/		
Blood study information	Biospecimen type	Plasma		
	Biospecimen state	Fresh		
	Source of frozen specimen	/		
	Patient fasting status	/		
	Fasting length (e.g. hours/days)	/		
	Anatomical access site	/		
	Needle diameter (e.g. gauge)	/		
	Blood volume collected (mL)	/		
	Plasma anticoagulant	/		
	Other plasma anticoagulant	ACD-A		
	Serum tube type	/		



	MiBlood-E	v
	Serum clotting time (minutes)	/
	Time between collection and first centrifugation (range in hours)	/
	Transport temperature	/
	Transport condition of tubes	/
	Centrifuge brand and model	/
Blood collection and	Bucket rotor type	/
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	160
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	250
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	No
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	/
	RBC count (Median, 95% Cl, N)	/
	RBC counter brand and type	/
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	1
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	1



	MiBlood-E	v
	Other method used	1
	Platelet marker(s) used (e.g. CD61, CD41)	/
	Concentration (median, 95% CI, N)	/
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	/
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	/
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	/



General information			
Title	Wound healing effects of a Curcuma zedoaria polysaccharide with platelet-rich plasma exosomes assembled on chitosan/silk hydrogel sponge in a diabetic rat model		
Nomenclature used	Exosomes		
Application	Therapeutic		
EV-track ID			

	Collection and storage	
	Cell type origin	Animalia / / Blood (Plasma/Serum) /
	Passaging	
	Seeding density	cells/cm²
Releasing cell	Cell viability	
information	Culture volume	ml
	Culture vessel	
	Oxygen level	%
	Culturing medium	
Culture	Duration of cultivation	
conditions	Harvesting medium	
	Cell count at harvest	cells
Storage and	Condition medium	°C
recovery	EV preparations	N/A °C

	EV isolation			
Category	Methods used	Details		
Density based	1	/		
Size based	1	/		
Precipitation based	1	/		
Affinity purification	1	/		
Chromatography	1	/		
Microfluidics	1	/		



	EV characterization			
		Parameter	Unit	Method
		Particle number	1	1
_	Size & concentration	Particle size	1	1
catio		Particle/protein ratio	1	1
Quantification		Protein content	1	1
Qué	Composition	Lipid content	1	1
		RNA content	1	1
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes		I
	Identity	Category 2- Cytosolic proteins recovered in EVs		I
	ļ	Category 3- Major components of non-EV co-isolated structures		I
	Visualization		1	

	EV function(s)	
Vasculogenesis and Angiogenesis;Endogenous regeneration			

MiBlood-EV				
	Time period of experiment (Years)	1		
	Number of samples	1		
Blood study information	Biospecimen type	Plasma		
	Biospecimen state	1		
	Source of frozen specimen	1		
	Patient fasting status	/		
	Fasting length (e.g. hours/days)	/		
	Anatomical access site	/		
	Needle diameter (e.g. gauge)	/		
	Blood volume collected (mL)	1		
	Plasma anticoagulant	1		
	Other plasma anticoagulant	/		
	Serum tube type	/		



	MiBlood-E	v
	Serum clotting time (minutes)	1
	Time between collection and first centrifugation (range in hours)	1
	Transport temperature	/
	Transport condition of tubes	/
	Centrifuge brand and model	/
Blood collection and	Bucket rotor type	/
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	/
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	/
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	/
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	/
	RBC count (Median, 95% CI, N)	/
	RBC counter brand and type	/
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	/
	Hemolized samples were discarded	I
	Presence of platelets	I
	Method used for platelets	1



MiBlood-EV		
	Other method used	1
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	/
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	/
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	1
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1



General information		
Title	Ultrasound-Targeted Microbubble Destruction Assisted Delivery of Platelet-Rich Plasma-Derived Exosomes Promoting Peripheral Nerve Regeneration	
Nomenclature used	Exosomes	
Application	Therapeutic	
EV-track ID		

Collection and storage			
	Cell type origin	Animalia / / Blood (Plasma/Serum) /	
	Passaging		
	Seeding density	cells/cm²	
Releasing cell	Cell viability		
information	Culture volume	ml	
	Culture vessel		
	Oxygen level	%	
	Culturing medium		
Culture	Duration of cultivation		
conditions	Harvesting medium		
	Cell count at harvest	cells	
Storage and	Condition medium	°C	
recovery	EV preparations	-80 °C	

EV isolation			
Category	Methods used	Details	
Density based	Ultracentrifugation	100,000 g x 70 minutes	
Size based	Ultrafiltration	0.22 μm filter	
Precipitation based	ExoQuick	ExoQuick Plasma Prep Exosome Precipitation Kit	
Affinity purification	1	1	
Chromatography	1	1	
Microfluidics	1	1	



	EV characterization			
		Parameter	Unit	Method
		Particle number	5.95x10e10 particles/ml	FCM (e.g. NanoFCM)
_	Size & concentration	Particle size	50-100 nm	FCM (e.g. NanoFCM)
catio		Particle/protein ratio	particles/µg	
Quantification		Protein content	1	I
Quí	Composition	Lipid content	1	I
		RNA content	1	I
		Category 1- Transmembrane or GPI-anchored proteins associated to plasma membrane and/or endosomes	CD41;CD63;CD81;CD9	1,
	Identity	Category 2- Cytosolic proteins recovered in EVs	/	1,
	,	Category 3- Major components of non-EV co-isolated structures	1	1,
Visualization TEM		TEM		TEM,

	EV function(s)	
Endogenous regeneration		

	MiBlood-E	v
	Time period of experiment (Years)	/
	Number of samples	/
Blood study information	Biospecimen type	Plasma
	Biospecimen state	Fresh
	Source of frozen specimen	/
	Patient fasting status	/
	Fasting length (e.g. hours/days)	/
	Anatomical access site	1
	Needle diameter (e.g. gauge)	1
	Blood volume collected (mL)	1
	Plasma anticoagulant	1
	Other plasma anticoagulant	ACD-A
	Serum tube type	/
	Serum clotting time (minutes)	/



	MiBlood-E	v
	Time between collection and first centrifugation (range in hours)	1
	Transport temperature	I
	Transport condition of tubes	/
	Centrifuge brand and model	1
Blood collection and	Bucket rotor type	/
processing	Number of centrifugation cycles	/
	1st Centrifugation speed (RCF in x g)	160
	1st Rotor brake	/
	1st Centrifugation temperature	/
	2nd Centrifugation speed (RCF in x g)	250
	2nd Rotor brake	/
	2nd Centrifugation temperature	/
	Additional processing steps (e.g. filtration)	/
	Storage tubes (brand, type, source, catalog number)	/
	Storage temperature	/
	Length of storage (range in years)	/
	Number of freeze-thaw cycles (range)	/
	Thawing temperature (°C)	/
	Thawing duration (minutes)	/
	Presence of hemolysis	/
	Number of samples affected (e.g. <25%, 25-50%)	/
	Method used	/
	Other method used	/
	RBC count (Median, 95% CI, N)	/
	RBC counter brand and type	/
	Spectrophotometry hemoglobin concentration (g/L)	/
	Spectrophotometer brand, model and wavelength measured (e.g. 414 nm)	1
	Hemolized samples were discarded	1
	Presence of platelets	1
	Method used for platelets	1
	Other method used	/



MiBlood-EV		
	Platelet marker(s) used (e.g. CD61, CD41)	1
	Concentration (median, 95% CI, N)	1
	Platelet counter instrument brand and type	/
	Flow cytometer brand and type	1
Plasma/Serum quality control	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1
	Presence of lipoproteins	/
	Method used (WB, ELISA, FC)	/
	Other method used	/
	Spectrophotometry L-index	/
	Spectrophotometer brand, model and wavelength measured (e.g. 700 nm)	/
	WB Marker(s) used (e.g. Apo B)	/
	Western blot images provided in manuscript?	/
	Flow cytometry marker(s) used (e.g. ApoB)	/
	Flow cytometry concentration (median, 95% CI, N)	/
	Flow cytometer brand and type	1
	Flow cytometry size and fluorescence ranges of detection in nanometers and MESF, respectively	1