



New connection on: : 14-09-2018 : 20:08:23 - Last disconnection on: : 14-09-2018 : 14:50:24

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Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 5] microfluidic and blood and substrate and optic and temperature and Coagulation

Results in EPODOC 0

[SS 6] microfluidic and blood and substrate

Results in EPODOC 83

[SS 7] 6 and Coagulation

Results in EPODOC 3

[SS 8] ..v

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PN - [US2017370953](#) A1 20171228

PR - US201715646616
20170711; US201313929141
20130627; US201261665177P
20120627

AP - US201715646616 20170711

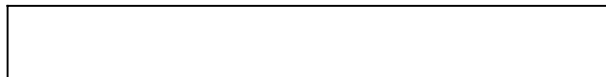
DT - **

CCI - [G01N33/86](#)

PA - COLORADO SCHOOL OF MINES
[US]

TI - MICROFLUIDICFLOW ASSAY
AND METHODS OF USE

AB - A method for evaluating
a **blood** product of an
individual are provided.
Specifically, a method to
utilize a **microfluidic** flow
assay, which includes
a **substrate** surface
comprising lipid coated
particles and **microfluidic**



channels through which
a **blood** product can flow. The
lipid coated particles
comprise functional
molecules that can induce or
inhibit the **coagulation**
cascade.

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- PN - [US2014038214](#) A1 20140206
- PNFP - US9709579 B2 20170718
- PR - US201313929141 20130627; US201261665177P 20120627
- AP - US201313929141 20130627
- DT - *; Rep
- CT - || R141 (A1)
[US5561070](#) A 19961001 [] (STEWART MICHAEL W [CA], et al);
[US2001046453](#) A1 20011129 [] (WEIGL BERNHARD H [US], et al);
[US2002103352](#) A1 20020801 [] (SUDOR JAN [FR]);
[US2004005582](#) A1 20040108 [] (SHIPWASH EDWARD [US]);
[US2011039285](#) A1 20110217 [] (SADABA CHAMPETIER DE RIBES INAKI [ES], et al);
[US2013121918](#) A1 20130516 [] (HONG SEUNGPYO [US], et al);
[US2004147032](#) A1 20040729 [] (MARTIN STEVEN M [US], et al)
- || STSE (B2)
[US5561070](#) A 19961001 [] (STEWART MICHAEL W [CA], et al);
[US2001046453](#) A1 20011129 [] (WEIGL BERNHARD H [US], et al);
[US2002103352](#) A1 20020801 [] (SUDOR JAN [FR]);
[US2004005582](#) A1 20040108 [] (SHIPWASH EDWARD [US]);
[US2004147032](#) A1 20040729 [] (MARTIN STEVEN M [US], et al);
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- CTNP - || R141 (A1)
 [] - Maloney (Publicly accessible Penn Dissertations, Paper 167 (2010)
 [] - Ishihara et al (J. R. Soc. Interface., 6:S279-291 (2009)
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CCI	-	G01N33/86
PA	- (A1 B2)	COLORADO SCHOOL OF MINES [US]
TI	- (A1)	MICROFLUIDIC FLOW ASSAY AND METHODS OF USE
	- (B2)	Microfluidic flow assay and methods of use
AB	- (A1 B2)	A microfluidic -based flow assay and methods of manufacturing the same are provided. Specifically, the microfluidic flow assay includes a substrate surface comprising lipid coated particles and microfluidic channels through which a blood product can flow. The lipid coated particles comprise functional molecules that can induce or inhibit the coagulation cascade.

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PN	-	US2011244595 A1 20111006
PR	-	TW20100110111 20100401
AP	-	US201113073834 20110328
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CT	- R141 (A1)	US2007042427 A1 []; US2010261286 A1 []; US2010266455 A1 []; US2003124623 A1 []; US2012107822 A1 []; US2006228259 A1 []; US2007099290 A1 [];

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CCI	- B01L3/5027 ; B01L3/502707 ; G01N33/4905
CCA	- B01L2300/0816 ; B01L2300/0867 ; B01L2300/161 ; B01L2400/0406 ; Y10T137/0402
PA	- UNIV NAT CHENG KUNG [US]
TI	- BIOMEDICAL CHIP FOR BLOOD COAGULATION TEST, METHOD OF PRODUCTION AND USE THEREOF
AB	- In a biomedical chip for blood coagulation tests and its manufacturing method and use, the biomedical chip comprises a substrate layer, a middle layer, and a cap layer, engaged and stacked with each other to define a microfluidic channel which has a first inlet and an outlet of the microfluidic channel respectively. A mixing interval is expanded outward from the microfluidic channel and interconnected to a second inlet, and has an interconnect portion and a capillary portion disposed between the substrate layer and the cap layer, and more

specifically disposed around the periphery of the interconnect portion. With the biomedical chip having the **substrate** layer and cap layer made of a hydrophilic material, the **blood** and the reagent can be driven automatically by the capillary force of the **microfluidic** channel to flow and mix with each other, and the hydrophilic capillary force can be permanently maintained.

[SS 8]