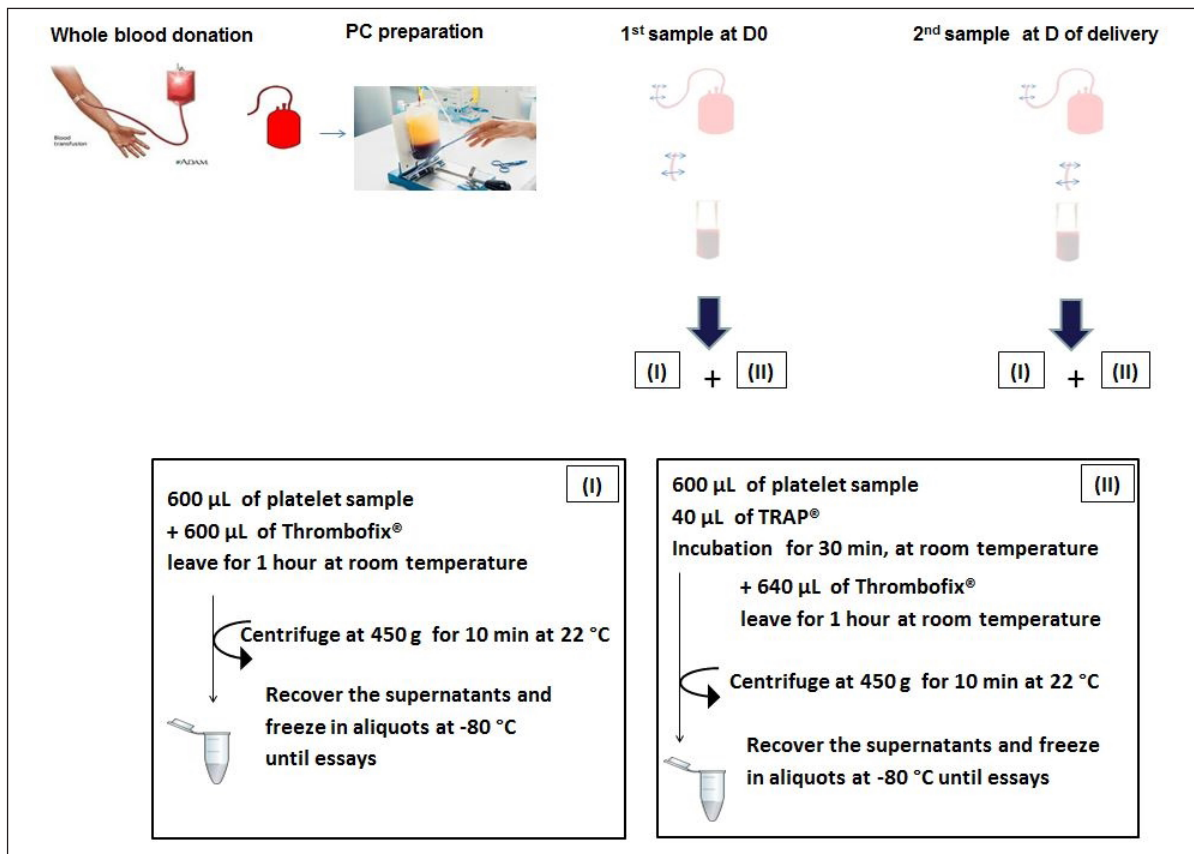


### Online Supplementary Content



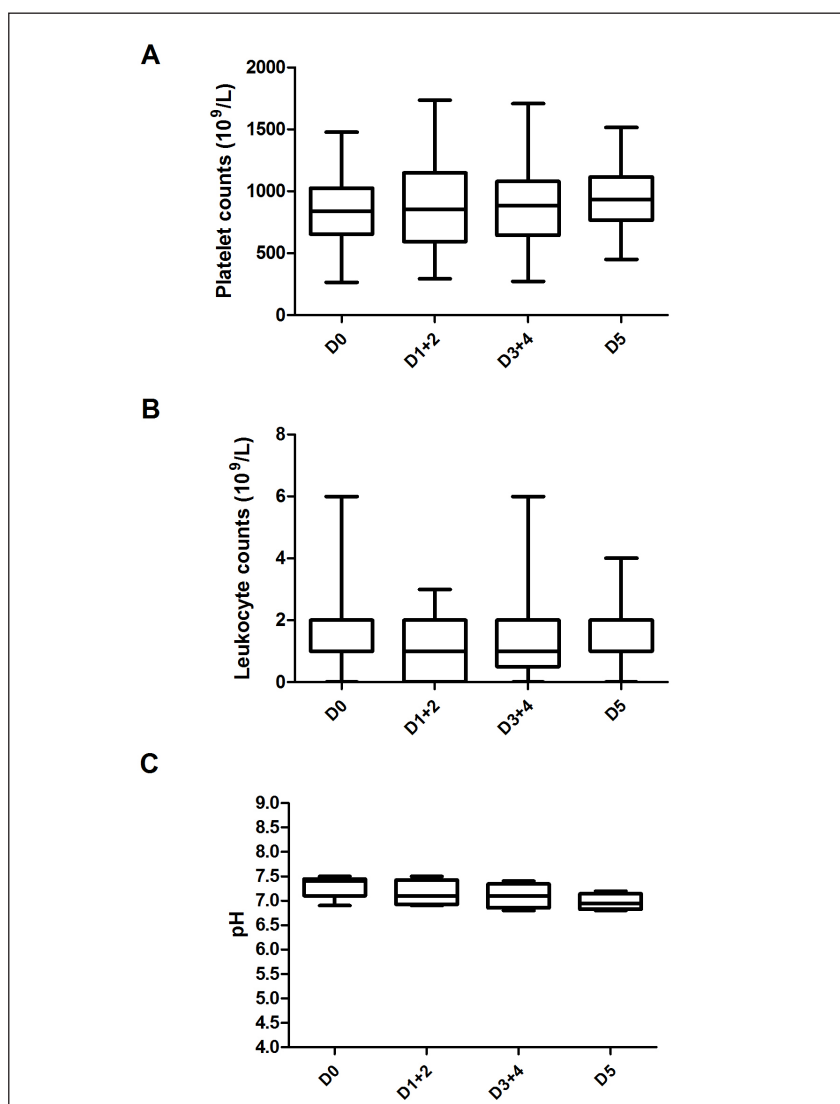
Online Supplementary Figure S1 - Diagram of the study design.

PC: platelet concentrate; D: day; TRAP: thrombin receptor activator peptide.

**Online Supplementary Table SI** - The main cells that secrete BRM and the relative amounts secreted.

	Platelets	Monocytes/Macrophages	T lymphocytes
sCD40L	+++		+
sCD62P	+++		
RANTES	+++		++
TNF- $\alpha$	+	+++	++
IL-1 $\beta$	+	+++	+
IL-8	+	+++	

BRM: biological response modifier; RANTES: regulated on activation, normal T cell expressed and secreted; TNF: tumor necrosis factor; IL: interleukin.

**Online Supplementary****Figure S2** - Information about the platelet counts (A), the leucocyte counts (B) and the pH (C) of UPC, depending on storage time.

No significant variations were seen (Kruskal-Wallis test). Data are shown as boxplots with first and third quartiles as limits of the boxes and whiskers representing the minimum and the maximum of the data.  $n=158, 29, 65$  and  $64$  for D0, D1+2, D3+4 and D5, respectively. UPC: unitary platelet concentrate; D: day.