

BEST Studies, 1991 - 2008

<i>Study # (year) when started</i>	<i>No. of participating laboratories</i>	<i>Title of the study</i>	<i>Publications #</i>
1 (1991)	4	Flow cytometry vs Nageotte chamber white cell counting methods	1
2 (1992)	20	Counting leukocytes by Nageotte chamber in leukocyte-depleted red blood cells	3, 10
3 (1993)	11	Quality control of platelet concentrates by shimmering inspection	2,4
4 (1994)	13	Evaluation of platelet swirling vs pH in routine PC	9
5 (1994)	6	Relation between swirling and other methods for PC quality control	5,4
6 (1994)	11	Cellular harvests in blood components prepared with buffy-coat removal versus methods based on platelet-rich plasma	6,7,13
7 (1994)	11	Use of in vitro assays: evaluation of platelet properties using the extent of shape change, and response to hypotonic stress assays	14
8 (1995)	7	Multicenter evaluation of the 3% PFA method for white cell counting in leukocyte-reduced red blood cells	11
9 (1996)	14	In vitro assays for evaluation of the properties of stored platelets: interlaboratory study to evaluate lactate, lactate dehydrogenase and CD62 parameters	16
10 (1996)	7	Platelet transfusion in routine practice	
11 (1996)	10	Automated white cell count in white cell reduced blood components	19
12 (1996)	17	Platelet counting study	15, 20, 36
13 (1996)	12	CD34+ cell count	18
14	to be defined	2 red cell unit study	
15 (2000)	8	Cord blood filtration study	41

<i>Study # (year) when started</i>	<i>No. of participating laboratories</i>	<i>Title of the study</i>	<i>Publications #</i>
16	See Study 20	Evaluation of the influence of conditions encountered during the transportation of platelet components from blood centers to hospitals on platelet quality (See Study 20)	--
17A (2000)	2	Storage of platelets in additive solutions: In vitro effects of potassium and magnesium (pilot study)	21
17 (2001)	12	Storage of platelets in additive solutions: In vitro effects of potassium and magnesium (pilot study)	22, 23
18 (2001)	12	The COBS (collection of blood samples) study	25,27
19(A-F) (2001)	8	Evaluation of in vitro assay utilized to evaluate cord blood hemopoietic stem cell products	33,39
20A (2001) 20	2 To be determined	Effects of interruption of agitation of platelet concentrates stored in PAS environment (pilot study) Effects of interruption of agitation of platelet concentrates stored in PAS environment (pilot study)	32
21A (2001)	2	Effect of storage medium and protein source on ESC and HSR (pilot study)	24
21 (2002)	6	Effect of storage medium and protein source on ESC and HSR	30
22 (2002)	7+	Evaluation of the hemostatic efficacy and the platelet utilization rates of low versus standard dose platelet therapy	26, 29, 31
23 (2003)	8	Effect of supranormal pH on radiolabeled platelet recovery and survival (Dumont/Gulliksson) a. pH b. Comparison of analysis methods	38
24 (2003)	6	Effect of two days' shipping on platelet function and biochemical analyses (Gulliksson/Dumont)	35
25 (2003)		Extended storage of platelets as assessed against fresh platelets (Williamson)	
26 (2003)	14	Comparison of in vitro analyses of red cell units across multiple labs (Hess)	37
27 (2003)		A descriptive analysis of international transfusion practice and bleeding outcomes in patients with acute leukemia (Heddle)	(in press)
28 (2003)		Inter-lab pilot study on the quality characteristics of dendritic cells (Eichler)	Active

29 (2003)		A. Survey to identify release criteria being utilized with cellular therapy products (Sacher) B. Transportation/shipping survey (Pamphilon/Szczepiorkowski)	Active
30 (2003)		Survey to understand cell recovery in thawed cord blood samples (Brand)	Active
31 (2003)		Randomized controlled trial of a simple intervention to improve performance of the pretransfusion bedside identity check (PROBE Study) (M Murphy)	Active
32 (2006)		Transient warming effect on stem cells (Reems)	Active
33 (2004)		Comparison of radiolabeling and flow cytometry for determining platelet kinetics (Williamson/Brand)	(in development)
34 (2004)		Bacterial contamination detection questionnaire (Prowse)	Active
35 (2004)		Platelet quality control standardization send-around (van der Meer/Cardigan)	Active
36 (2005)		Evaluation of dendritic cell assays	(in development)
37 (2006)		Comparison of single- and double-label approaches to red cell recovery studies and evaluation criteria (Hess/AuBuchon)	Active
38 (2006)		Statistical process control for blood sample collection (Beckman)	Active
39 (2006)		Survey of transfusion audit practices (Tinmouth/Stanworth)	(in development)
40 (2006)		Reduction in variation of performance of antibody titrations (AuBuchon)	Active
41 (2006)		Whole blood overnight storage (Gulliksson/van der Meer/Cardigan)	Active
42 (2006)		TM-PROBE survey (Murphy)	Active
43 (2007)		Haemoglobin measurement of blood units to matched to patients (Hervig)	
44 (2007)		Questionnaire on ABO incompatible platelets (Lozano)	
45 (2007)		Guidelines for reporting trials in transfusion medicine (Heddle)	
46 (2007)		Transfusion Reaction Survey (Dzik, Heddle)	