

BEST Publications

1	Vyas GN. Evaluation of Nageotte chamber and flow cytometry for WBC count in WBC-reduced RBC (abstract). <i>Transfusion</i> 1992;32(Suppl):76S.
2	Murphy S, Bertolini F. Assessment of swirling and percent discs by oil, phase microscopy as quality control procedures for platelet concentrates (abstract). <i>Transfusion</i> 1993;33(Suppl):10S.
3	Rebulla P, Dzik WH Multicenter evaluation of methods for counting residual white cells in leukocyte-depleted red blood cells. <i>Vox Sanguinis</i> 1994;66:25-32.
4	Bertolini F, Murphy S. A multicenter evaluation of reproducibility of swirling in platelet concentrates. The Biomedical Excellence for Safer Transfusion (BEST) Working Party of the International Society of Blood Transfusion. <i>Transfusion</i> 1994;34:796-801.
5	Murphy S, Rebulla P, Bertolini F, Holme S, Moroff G, Snyder E, Stromberg RR for the BEST (Biomedical Excellence for Safer Transfusion) Task Force of the ISBT. In vitro assessment of the quality of stored platelet concentrates. <i>Transfus Med Rev</i> 1994;8:29-36.
6	Heaton WAL for the BEST Working Party of the ISBT. Multicenter evaluation of preparation of buffy-coat poor red blood cells (abstract). <i>Transfusion</i> 1994;34(Suppl):7S.
7	Heaton WAL for the BEST Working Party of the ISBT. Multicenter evaluation of the methods of preparation of routine platelet concentrates (abstract). <i>Transfusion</i> 1994;34(Suppl):12S.
8	Sirchia G. The Best Working Party of the International Society of Blood Transfusion: an international effort to improve the quality of blood components. <i>Transfusion</i> 1995;35:254-257.
9	Bertolini F, Murphy S for the BEST Working Party of the International Society of Blood Transfusion. A multicenter inspection of the swirling phenomenon in platelet concentrates prepared in routine practice. <i>Transfusion</i> 1996;36:128-132.
10	Dumont LJ, Dzik WH, Rebulla P, Brandwein H and the members of the Biomedical Excellence for Safer Transfusion (BEST) Committee of the ISBT. Practical guidelines for process control and validation of leukoreduced components: report of the BEST Working Party of the ISBT. <i>Transfusion</i> 1996;36:11-20.
11	Prati D, Brandwein H, Capelli C, Dzik WH, Masse M, Myllylä G, Stromberg RR, Takahashi T, Vyas GN, Wenz B. Multicenter evaluation of the 3% PFA method for white cell counting in leukocyte-reduced red blood cells. <i>Vox Sanguinis</i> 1996;70:241-245.
12	Murphy S, Heaton WAL, Rebulla P and the BEST Working Party of the International Society of Blood Transfusion. Platelet production in the Old World - and the New. <i>Transfusion</i> 1996;36:751-754.
13	Heaton WAL, Rebulla P, Pappalettera M, Dzik WH for the BEST Working Party of the International Society of Blood Transfusion. A comparative analysis of different methods for routine blood component preparation. <i>Transfusion Medicine Reviews</i> , 1997;2:116-129
14	Holme S, Moroff G, and Murphy S for the BEST Working Party of the International Society of Blood Transfusion. A multi-laboratory evaluation of in vitro platelet assays: the tests for extent of shape change and response to hypotonic shock. <i>Transfusion</i> 1998;38:31-40
15	Moroff G, Brandwein H, Coker SO, Wenz B, For the Biomedical Excellence for Safer Transfusion (BEST) Working Party, International Society for Blood Transfusion. Counting platelets in simulated component samples with hematology analyzers. XXV Congress of the International Society of Blood Transfusion, Oslo, 1998. <i>Vox Sang</i> 1998;74(S1):1259.
16	Dumont LJ, VandenBroeke T, Ault KA and the BEST Working Party of the International Society of Blood Transfusion. Platelet surface P-selectin measurements in platelet preparation: An International Collaborative Study. <i>Transfus Med Rev</i> 1999;13:31-42.
17	Adams MR, Fisher DM, Dumont LJ, Dzik WH, Heaton WA. Detecting failed WBC-reduction process on computer simulations of intermittent and continuous process failure. <i>Transfusion</i> , 2000;40:1427-1433.

18	Dzik WH, Sniecinski I, Fisher J and the Biomedical Excellence for Safer Transfusion Working Party. Towards standardization of CD34+ cell enumeration: an international study. <i>Transfusion</i> , 1999;39:856-863.
19	Dzik S, Moroff G, Dumont L for the Biomedical Excellence for Safer Transfusion (BEST) Working Party of the ISBT. A multicenter study evaluating three methods for counting residual WBCs in WBC-reduced blood components: Nageotte hemocytometry, flow cytometry, and microfluorometry. <i>Transfusion</i> , 2000;40:513-520.
20	The influence of various hematology analyzers on component platelet counts. Moroff G, Sowemimo-Coker SO, Finch S, Murphy S, Brandwein H, Whitbread J, Wenz B for the BEST Collaborative. <i>Transf Med Rev</i> 2005;19:155-66.
21	Gulliksson H, AuBuchon JP, Vesperinen M, et al for the BEST Working Party of the ISBT. Storage of platelets in additive solutions: a pilot in vitro study of the effects of potassium and magnesium. <i>Vox Sanguinis</i> 2002;82:131-136.
22	Gulliksson H, AuBuchon JP, Cardigan R, van der Meer PF, Murphy S, Prowse C, Richter E, Ringwald J, Smacchia A, Slichter S, de Wildt-Eggen J, for the Biomedical Excellence for Safer Transfusion Working Party of the International Society of Blood Transfusion. A multicentre study of the in vitro effects of potassium and magnesium. <i>Vox Sanguinis</i> 2003;85:199-205.
23	Cardigan R, Sutherland J, Wadhwa M, Dilger P, Thorpe R. The influence of platelet additive solutions on cytokine levels and complement activation in platelet concentrates during storage. <i>Vox Sanguinis</i> 2003;84:28-35.
24	VandenBroeke TL, Dumont LJ, Hunter S, Nixon J, Murphy S, Roger J, Herschel L, AuBuchon J, Gulliksson H, Dengler T, Hornsey V, Prowse C, for the Biomedical Excellence for Safer Transfusion Working Party. Platelet storage solution effects on the accuracy of laboratory tests for platelet function – a multilaboratory study. <i>Transfusion</i> 2002;42:53-S-54S.
25	Dzik WH, Murphy MF, BEST Working Party, International Society of Blood Transfusion. An international study of the performance of patient sample collection. <i>Transfusion</i> 2002;42:26S.
26	Heddle NM, Cook RJ, Webert KE, Sigouin C, Rebullia P, BEST Working Party. Methodological Issues in the Use of Bleeding as an Outcome in Transfusion Medicine Studies. <i>Transfusion</i> 2003;43:742-52.
27	WH Dzik, MF Murphy, G Andreu, MD, N Heddle, C Hogman, R Kekomaki, S Murphy, M Shimizu, C Smit-Sibinga and the Biomedical Excellence for Safer Transfusion (BEST) Working Party of the International Society for Blood Transfusion. An international study of the performance of patient sample collection. <i>Vox Sanguinis</i> 2003;85:40-47.
28	Beckman N, Sher G, Masse M, Richter E, Ringwald J, Rebullia P, van der Meer P, Justica B, Walker B, Rowe G, on behalf of the BEST Working Party of the ISBT. Review of the quality monitoring methods used by countries using or implementing universal leukoreduction. <i>Transf Med Rev</i> 2004;18:25-35.
29	Heddle NM, AuBuchon J, Barty RL, Brand A, Cook RJ, Murphy M, Rebullia P, Sigouin C for the BEST Working Party . Success in achieving a targeted platelet dose: What dose are we actually giving? <i>Transfusion</i> 2003;43:30-1A.
30	Platelet storage solution effects on the accuracy of laboratory tests for platelet function: a multi-laboratory study. T VandenBroeke, LJ Dumont, S Hunter, J Nixon, S Murphy, J Roger, L Herschel, JP AuBuchon, H Gulliksson, T Dengler, V Hornsey and C Prowse for BEST. <i>Vox Sanguinis</i> 2004;86:183-8.
31	Methods for the analysis of bleeding outcomes in randomized trials of PLT transfusion triggers. Cook RJ, Heddle NM, Rebullia P, Sigouin CS and Webert KE in collaboration with BEST. <i>Transfusion</i> 2004;44:1135-42.
32	Effect of interruption of agitation on in vitro quality of platelet concentrates. PF van der Meer, H Gulliksson, JP AuBuchon, C Prowse, E Richter, J de Wildt-Eggen. <i>Transfusion</i> 2004;44:69A.
33	Comparison of total nucleated cell measurements of UC blood samples using two hematology analyzers. Eichler H, Seetharaman S, Latta M, Kurtz JW, Moroff G for the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. <i>Cytotherapy</i> , 6(5):457-464, 2004.
34	Platelets from pooled buffy coats: an update. S. Murphy for the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. <i>Transfusion</i> 2005;35:634-9.
35	Interruption of agitation of platelet concentrates: effects on in vitro parameters. Van der Meer PF, Gulliksson H, AuBuchon JP, Prowse C, de Wildt-Eggen J for the BEST Collaborative. <i>Vox Sanguinis</i> 2005;88:227-34.
36	Comparison of computerized formulae for determination of platelet recovery and survival. AuBuchon JP, Herschel L, Roger J, Dumont L, Murphy S, Slichter SJ, Whitley P, Snyder E, Goodrich RP. <i>Transfusion</i> 2005;45:1237-8.

37	Interlaboratory comparison of red-cell ATP, 2,3-diphosphoglycerate and haemolysis measurements. Hess JR, Kagen LR, van der Meer PF, Simon T, Cardigan R, Greenwalt TJ, AuBuchon JP, Brand A, Lockwood W, Zanella A, Adamson J, Snyder E, Taylor HL, Moroff G, Hogman C. Vox Sanguinis 2005;89:44-8.
38	In vitro pH effects on in vivo recovery and survival of platelets – an analysis by the BEST Collaborative. Dumont LJ, AuBuchon JP, Gulliksson H, Slichter SJ, Elfath MD, Holme S, Murphy JR, Rose LE, Popovsky MA, Murphy S. Transfusion 2006;46:1300-5.
39	Multiple-laboratory comparison of in vitro assays utilized to characterize hematopoietic cells in cord blood. Moroff G, Eichler H, Brand A, Kekomaki R, Kurtz J, Letowska M, Pamphilon D, Read EJ, Porretti L, Lecchi L, Reems J-A, Sacher R, Seetharaman A, Takahashi TA for the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. Transfusion 2006;46:507-15.
40	A descriptive analysis of international transfusion practice and bleeding outcomes in patients with acute leukemia. Heddle NM, Cook RJ, Sigouin C, Slichter SJ, Murphy M, Rebull P in collaboration with the BEST Collaborative. Transfusion 2006;46:903-11.
41	Multi-laboratory evaluation of procedures for reducing the volume of cord blood: influence on cell recoveries Takahashi T, P Rebull, S Armitage, J van Beckhoven, H Eichler, R. Kekomaki, M. Letowska, F Wahab and G. Moroff for the Biomedical Excellence for Safer Transfusion Collaborative. Cytotherapy 2006; 8: 254-264.
42	TRANSFUSION SUPPLEMENT NOVEMBER 2006 Assessment of Platelet Recovery and Survival by Radiolabeling (Publication numbers 42-47 inclusive) Dedication in Memorium. Transfusion 2006;46:43S
43	The rationale for a standardized approach to assessment of platelet kinetics. Aubuchon James P, Snyder Edward L. Transfusion 2006;46:44S-48S
44	The case for a new approach for documenting platelet viability. Murphy Scott. Transfusion 2006;46:49S-52S
45	A historical perspective on platelet radiolabeling techniques. Taylor Harry L, Whitley Pamela, Heaton, Andrew. Transfusion 2006;46:53S-58S
46	Platelet radiolabeling procedure. The Biomedical Excellence for Safer Transfusion (BEST) Collaborative (2006). Transfusion 2006;46:59S
47	Analysis and reporting of platelet kinetic studies. Dumont Larry J. Transfusion 2006;46:67S-73S
48	Interruption of Agitation of Platelet Concentrates – A Multi-center In-vitro Study by the BEST Collaborative on the Effects of Shipping Platelets. Dumont LJ, Gulliksson H, van der Meet PF, Murphy S, Nixon JG, de Wildt-Eggen, J, VandenBroeke T, AuBuchon, JP. Transfusion 2007;47:1666-1673)
49	Prevention of bedside errors in transfusion medicine (PROBE-TM) study: a cluster-randomized, matched-paired clinical areas trial of a simple intervention to reduce errors in the pretransfusion bedside check. Murphy MF, Casbard AC, Ballard S, Shulman IA, Heddle N, Aubuchon JP, Wendel S, Thomson A, Hervig T, Downes K, Carey PM, Dzik WH; BEST Research Collaborative. Transfusion. 2007 May;47(5):771-80
50	Multicenter study on in vitro characterization of dendritic cells. Eichler H, Nguyen XD, Roelen D, Celluzzi CM, McKenna D, Pamphilon D, Blair A, Read EJ, Takahashi TA, Szczepiorkowski ZM; Biomedical Excellence for Safer Transfusion Collaborative. Cytotherapy. 2008;10(1):21-9
51	Viability does not necessarily reflect the hematopoietic progenitor cell potency of a cord blood unit: results of an interlaboratory exercise. Brand A, Eichler H, Szczepiorkowski ZM, Hess JR, Kekomaki R, McKenna DH, Pamphilon D, Reems J, Sacher RA, Takahashi TA, van de Watering LM; Biomedical Excellence for Safer Transfusion (BEST) Collaborative. Transfusion. 2008 Mar;48(3):546-9. Epub 2007 Dec 7.
52	<i>BACTERIAL CONTAMINATION (STUDY 34) – NOT PUBLISHED</i>

53	Evaluation of proposed FDA criteria for the evaluation of radiolabeled red cell recovery trials. LJ Dumont, JP AuBuchon for the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. Transfusion 2008;48:1053-60.
54	Errors in patient specimen collection: application of statistical process control. Walter Sunny Dzik, Neil Beckman, Kathleen Selleng, Nancy Heddle, Zbigniew Szczepiorkowski, Silvano Wendel, and Michael Murphy for the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. Transfusion 2008 Oct;48(10):2143-51
55	Reducing the variation in the variation in performance of antibody titrations. JP AuBuchon, J de Wildt-Eggen, LJ Dumont. Vox Sanguinis 2008;95:57-65 and Arch Pathol Lab Med 2008;132:1194-1201. (joint publication)
56	Counting platelets in platelet concentrates on hematology analyzers: a multicenter comparative study. Pieter F. van der Meer, Margriet J. Dijkstra-Tiekstra, Anne Mahon, and Janny deWildt-Eggen for the BEST Collaborative. Transfusion 2009, Jan, 49:81-90
57	A randomized controlled trial comparing standard- and low-dose strategies for transfusion of platelets (SToP) to patients with thrombocytopenia. Nancy M Heddle, Richard J Cook, Alan Tinmouth, C. Tom Kouroukis, Tor Hervig, Ellen Klapper, Joseph M Brandwein, Zbigniew M Szczepiorkowski, James P AuBuchon, Rebecca L Barty, Ker-Ai Lee for the Stop Study Investigators of the BEST Collaborative. Blood 2009, Feb;113:1564-1573
58	Red cell hemolysis during blood bank storage: Using national quality management data to answer basic scientific questions. Hess JR, Sparrow RL, van der Meer P, Acker JP, Cardigan RA, Devine DV for the BEST Collaborative. Transfusion 2009. [Epub ahead of print]