

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07K 14/805		(11) International Publication Number: WO 97/35883
AI		(43) International Publication Date: 2 October 1997 (02.10.97)
(21) International Application Number: PCT/US97/05088		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG , SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).
(22) International Filing Date: 27 March 1997 (27.03.97)		
(30) Priority Data: 60/014,389 28 March 1996 (28.03.96) US		
(60) Parent Application or Grant (63) Related by Continuation US 60/014,389 (CIP) Filed on 28 March 1996 (28.03.96)		
(71) Applicant (for all designated States except US): NORTHFIELD LABORATORIES, INC. [US/US]; Suite 1000, 1560 Sherman, Evanston, IL 60202 (US).		
(72) Inventors; and (75) Inventors/Applicants (for US only): DeWOSKIN, Richard, E. [US/US]; 77 Whittington Course, St. Charles, IL 60174 (US). DOUBLEDAY, Marc, D. [US/US]; 326 Alicia Drive, Cary, IL 60013 (US).		Published With international search report.
(74) Agent: SARUSSI, Steven, J.; McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, Chicago, IL 60606 (US).		
(54) Title: METHOD AND APPARATUS FOR PREPARING AN ACELLULAR RED BLOOD CELL SUBSTITUTE		
(57) Abstract A process is disclosed for the preparation of an essentially tetramer-free, substantially stroma-free, polymerized, pyridoxylated hemoglobin. Also disclosed is an essentially tetramer-free, substantially stroma-free, polymerized, pyridoxylated hemoglobin product capable of being infused into human patients in an amount of up to about 5 liters.		