AABB Interorganizational Task Force on Bacterial Contamination of Platelets





AMERICAN ASSOCIATION OF BLOOD BANKS Dr. Cristina V. Basto, MD Acting Assistant Secretary for Health February 27, 2004 Page 2 of 2 DEPARTMENT OF HEALTH AND HUMAN SERVICES Office of the Secre Assistant Secretary for Health Office of Public Health and Scienc Weshington D.C. 2020 time frame would allow for pooling at the time of production of whole blood derived platelets which would in turn, provide a mechanism to do cuturing. This is a technique used successfully in Europe. At that same meeting, the AAEB used the FDA to 'at quickforth consider what data FEB 2 4 2004 will be required to extend platelet storage to seven days, provided that an acceptable bacterial detection system is used." February 27, 2004 Dr. Kahleer Summe Via E-mail and Facsimile President The AABB has provided extensive guidance to its members on the implementation of this standard, including processes for emergency release of plastiets in the event of impending American Association of Mood Banks Dr. Cristina V. Beato, MD. 8101 Gleabroos Road Acting Assistant Secretary for Health Department of Health and Human Services shortages. By this time, most, if not all, of our member facilities have plans to comply with the March 1, 2004 implementation date. For these reasons, after consideration of the issue, the AABB believes that further delaying the implementation of this standard will compromise both Bethesia Maryland 20814-2740 Hubert H. Humphrey Building, Room 716G-200 Independence Avenue, SW nation safety and the minlic health Deau Dr. Sayama Washington, DC 20201 The AABB remains committed to seaking the resolution of any regulatory and or surveillance issues raised by this standard. Our leaden hip would be pleased to participate in a round table discussion with the Department of Health and Human Services on these issues. Thark you. a commerci the American Association of Blood Banks for its progressive action to more we the I commit it to American Association of Biood Manke term is programity within a many more the active of the biood supply by reducing the drawk of the entry observations of Boundard Jor Biood through the addition of it may standard (or accordingtion) and the 2M-dation of Boundard Jor Biood Biood Science and Science DearDr. Beato: Thank you for your letter concerning the implementation of AABB standard 5.1.5.1 requiring Sincerely methods to limit and detect bacterial contamination in all platelet components. The AARR estado si biali en deter bateită constituțien în lipiteter components . The AABS related are volutary de la devicação frança se existencia estado se volutare device character de la constitución estado est table been comprised by anymous this suggest implements on or this surfaced by the March Ly 2014 Why have potentially resistant and possibly mainenished effects on the availability of platistic productors for pohest cars. Gives the potential public leads interest involved in the addition of this reve shorthed, I request the AACEB ranchally consider cellsy in 36 implementation until a Fachlern Segans 40, P Kathleen Sazama, MD, JD there plan is developed. Dresident in order to address outmanding implementation itsees including approved quality control anthonia spational spatial spatial spatial second of a spatial control spatial spatial spatial spatial spatial spatial spatial spatial control spatial spatial spatial spatial spatial spatial spatial spatial control spatial cc: Jerry Holmberg, Executive Secretary of the Advisory Committee on Blood Safety and Availability Department of Health and Human Services Our to be the second se I strongly support every effort to improve the safety and switching of blood products, including this most recent initiative on neducing benerits contaction orientin pitrakets, and it to add you for To address any concerns over potential whole blood derived platiet shortages relixed by the standard, the AABB, at the December 12,2002 Blood Products Advincy Committee, (and gain at the Match 14,000 Blood Products Advincy Committee) specifically expressed that the FIAD fullisate basened detection of whole blood plates by "restanting its ourset thicking under which glatesta pool is a flort the blood of platest particy to the stratistican fully. Sincerely yours. Cuti- V. Beak M.S. of the use of sterile methods, cannot be used beyond four hours after pooling." Extension of the Gristing V. Berry Mile Aving Assistant Secretary for Health 8101 Glenbrook Road + Bethesda, MD 20814-2749 + Phone: (301) 907-6977 + Fax: (301) 907-6895 Web site: www.aabb.org + Email: aabb@aabb.org

"...implementation...may cause effects on the availability of platelets...I request the AABB carefully consider delay in implementation" C. Beato

"...after consideration of the issue, the AABB believes that further delaying the implementation of this standard will compromise both patient safety and the public health." K. Sazama



Purposes of task force

- Serve as focal point for all issues related to the AABB bacterial detection standard that took effect in March 2004
- Provide forum for discussion between transfusion medicine community (transfusion services and blood centers), subject matter experts, and PHS agencies (FDA, CDC, HHS, NHLBI) on specific safety/availability issues
- Interact with test manufacturers as appropriate



Purposes of task force

- Provide guidance to AABB membership
 - Issues to be addressed include standardized definitions of test results, follow-up of initially positive tests, identification of organism, what to do if a positive platelet unit has been transfused, notification and possible deferral of the donor, and possible interaction with public health departments
- Survey blood centers/hospitals to assess current practices
 - Data on impact on inventory/transfusion practice



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Advancing Transfusion and Cellular Therapies Worldwide

ASSOCIATION BULLETIN

#04-07

- Date: October 14, 2004
- AABB Members To:
- From: Kathleen Sazama, JD, MD President Karen Shoos Lipton, JD - Chief Executive Officer
- Actions Following an Initial Positive Test for Possible Bacterial Re: Contamination of a Platelet Unit

Summary This Association Bulletin is intended to provide additional guidance to supplement Association Bulletins #03-12 and #03-10. In particular, this Association Bulletin provides standardized definitions for test results, addresses investigation of units identified as positive by a bacteria detection test and discusses the management of other components ("co-components") associated with the same donation. Furthermore, guidance is provided to address situations in which 1) a positive test result is encountered only after the transfusion of the unit, and 2) a recipient develops culture-proven posttransfusion sepsis after receiving platelets that have all tested negative.

Please consult previous Association Bulletins for references to scientific articles on the subject of bacteria detection.

In compliance with standard 5.1.5.1 of the 22rd edition, Standards for Blood Banks and Transfusion Services, collection facilities and transfusion services are using various methods to detect bacterial contamination of platelets. Culture-based systems, cleared by the Food and Drug Administration for quality courted, and surrogate methods (e.g., shuces and pH measurement) have been implemented in AABB-sourcedited facilities.

Recommendations

Recommendations: *Considerities of division*: It is strongly recommended that the standardized definitions provided in the appendix to this document build outsiteatly by all facilities in their reporting of bacteria detections test results. Pertinent definitions encarpted from the appendix are used in several sections of this Association Bulletin.

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ASSOCIATION BULLETIN

#04-07

Date:	October 14, 2004
то:	AABB Members
From:	Kathleen Sazama, MD, JD - President Karen Shoos Lipton, JD - Chief Executive Officer
Re:	Actions Following an Initial Positive Test for Possibl

Bacterial Contamination of a Platelet Unit



Priority action items

7 day platelets

Pre-pooled "random" platelets

Survey on platelet testing



FDA current thinking

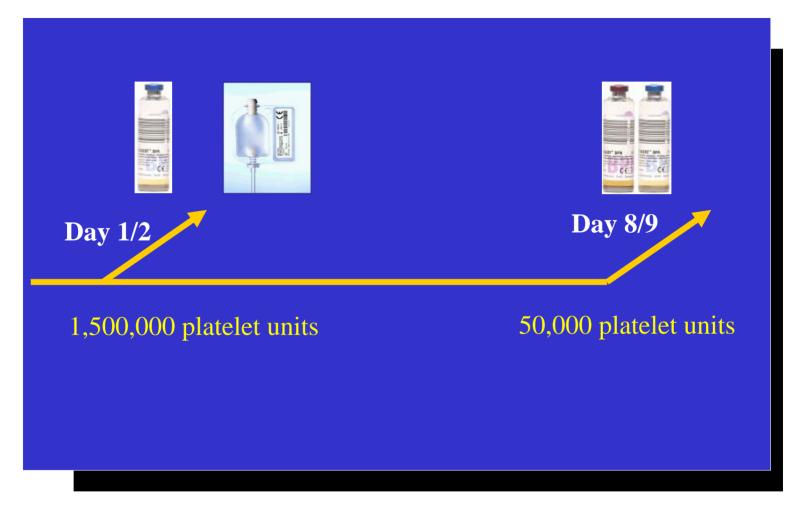
•Obtain data on performance of the FDA cleared devices

•Use data as a basis for approval of 7 day platelets provided there is a commitment to perform post market study

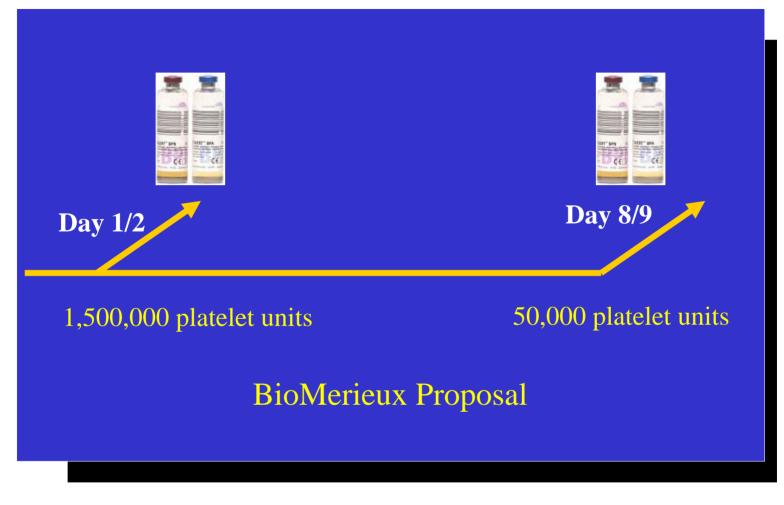
•Post market study will consist of an additional culture on outdated products (day 7) to confirm the day 1 negative culture reading

•Size of post market study will be determined by the contamination rate identified by the Q/C testing data











The task force reviewed this proposal and does not support the need for the Day 1 anaerobic bottle as a part of the protocol.

However, the task force believes that it is a valid medical/scientific issue as to determine whether bacterial testing of platelets should include the detection of anaerobes and recommends bioMerieux sponsor a protocol to study this issue that is independent of the post-market surveillance study.



The task force has had in-depth discussions with representatives of ARC and BSI about the task force protocol and bioMerieux revisions thereof. The task force recommends that bioMerieux follow-up with these two blood collection organizations (and others) to ascertain their willingness to participate in bioMerieux's proposed protocol.



The task force does not see a further role for itself with regard to the seven day storage issue as it believes it has successfully worked with FDA to clarify what is required for 7 day storage of apheresis platelets to occur. The task force has been influential in providing a roadmap for manufacturers such as bioMerieux to work with FDA-licensed blood collection agencies to achieve this goal.





