
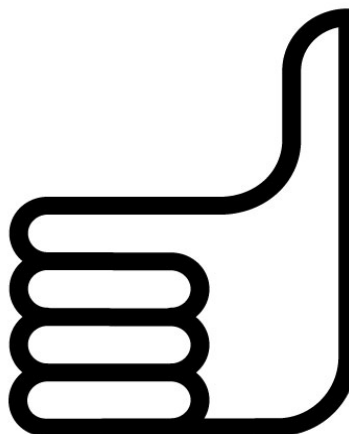
	<b>BEQAS</b> <b>Blood Bank External Quality Assessment Scheme</b> Quality is never an accident, it is always the result of intelligent effort	
---	---	---



# BEQAS

Blood Bank

External Quality Assessment Scheme

(Recognized by NABH – Quality Council of India)

Contact:

Mr. Pankaj Agarwal

*BEQAS Office*

*Blood Bank*

*Avedna Ashram First Floor, Santokba Durlabhji Memorial Hospital,*



*Bhawani Singh Marg, Bapu Nagar, Jaipur- 302 015*

*Phone No. : 0141-2574189*

*Mobile No.:094142-40159*

*e-mail: [beqasgps@yahoo.in](mailto:beqasgps@yahoo.in)*

No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by Any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission of Chairman BEQAS

	<b>BEQAS</b> <b>Blood Bank External Quality Assessment Scheme</b> Quality is never an accident, it is always the result of intelligent effort	
---	---	---

## Introduction

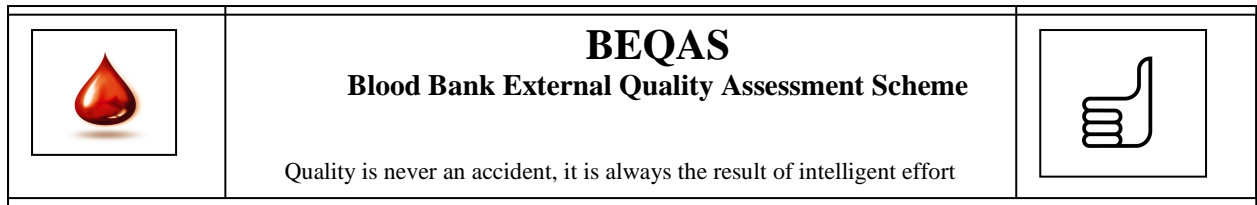
External Quality Assurance aims at ensuring that the data provided are relevant and reliable, thus improving trust and performance of Blood Banking and Immuno-hematology services offered by Blood Banks.

Quality Assurance involves all measures that can be taken to improve Blood bank's efficiency and effectiveness with a view to the maximum benefit to the individuals and the community.

Besides implementation of good laboratory practices, Internal and External Quality Assurance are integral parts of Quality Management.

BEQAS is designed by a group of Pathologists, Immuno-hematologists and doctors involved or concerned with blood banking.

The spirit of the BEQAS is participation and continual improvement.



## **Aims and Objectives**



The aims and objectives of the BEQAS program:

### **Aim:**

Provide competent external proficiency testing to improve the existing standards of diagnostics services in Transfusion Medicine including transfusion transmissible infections including NAT and quality of final blood products.



### **Objectives:**

- To increase awareness regarding issues of quality control and proficiency testing in the field of Transfusion medicine.
- To produce quality control material for Transfusion medicine testing following recommended procedures.
- To arrange for suitable packaging and forwarding services so as to cater to all Blood Banks wishing to participate in the program.
- To analyze the results received and provide reports in a confidential manner to the participating Blood Bank.
- To make available suitable intervention if so requested by the participant Blood Bank – these will be at the discretion of the organizer.

	<p><b>BEQAS</b>  <b>Blood Bank External Quality Assessment Scheme</b></p> <p>Quality is never an accident, it is always the result of intelligent effort</p>	
---	--	---

## Scope of the Program

- The program is intended to give the participating Blood bank an objective impression of their accuracy and precision with reference to the other Blood Banks in the program.
- All participants will have to register on the **Registration Form** provided in the Appendix.
- **The details of procedures used, reagents and methods will be confidential.**
- Analysis will be dependent on this data. It is mandatory to fill in the details requested.
- If there is any change of any component of the testing procedure it should be intimated in the space provided in the result entry sheets.
- On registration, a four digit Participant Code Number (Code #) will be assigned.  
eg. Code # 0001
- In all future correspondence, the Code Number should be quoted.
- The program will be strictly confidential regarding analysis of results and these will only be communicated to the address of the person provided at registration.
- The program is not punitive.
- The organizers only on specific written request of the participant may extend technical and practical assistance.
- Participation in the BEQAS does not automatically validate routine performance of the Blood Bank. This program does not replace internal quality control practices.
- The complete EQAS for Blood Bank shall be participating in BEQAS as well as CMC Vellore, Immuno-haematology programme.

	<p><b>BEQAS</b>  <b>Blood Bank External Quality Assessment Scheme</b></p> <p>Quality is never an accident, it is always the result of intelligent effort</p>	
---	--	---

## Organization

This programme is a Proficiency Testing Programme designed to evaluate the overall performance and is open to all establishments engaged in blood banking.

The Proficiency programme is organized by a committee, which shall perform its activities in association with Indian Society of Blood Transfusion & Immunohematology (ISBTI).

The organization shall consist of two Committees

- **Advisory Committee**
  - **Coordination Committee**
- Advisory committee may confer title of **Patron** to a person with exemplary contribution in the field of quality assurance.

### Advisory Committee:

The Advisory Committee consists of twelve members as below:



- (a) Patron-Mr. Girdhar J. Gyani- Secretary General, QCI, India
- (b) Chair Person- Dr. Rakesh Sharma- NDPL, New Delhi
- (c) Secretary and organizer - Dr. G.N.Gupta- SDM Hospital, Jaipur
- (d) Co-Organizer – Dr. Sukesh Nair – CMC, Vellore
- (e) Chief Coordinator - Dr. N.Choudhary- Prathma Blood Center,Ahmedabad
- (f) Coordinator - Dr. B.K.Rana-QCI, New Delhi
- (g) Treasurer - Ms Shailja Ahuja- Quality Manager, SDM Hospital, Jaipur

#### Member ISBTI

- (h) President ISBTI- Dr. Ved Prakash Gupta- Kota Blood Bank-Kota
- (i) Secretary ISBTI- Dr. R.N.Makroo- Apollo Hospital-New Delhi

#### Members

- (j) One Nominee of Chair Person- Dr. Dinesh Negi- AIIMS-New Delhi
- (k) One nominee of Organizer- Dr. K.K.Mishra- Swasthya Kalyan Blood Bank, Jaipur
- (l) One nominee of Co-Organizer- Dr. Dolly Daniel- CMC, Vellore
- (m) One nominee of Chief Coordinator- Dr. Anand Despande- JaslokHospital, Mumbai
- (n) One nominee of QCI- Dr. B.K.Rana-QCI, New Delhi
- (o) One Nominated Member from participants.-Dr. Amarjeet Kaur-Green Cross Voluntary Blood Bank
- (p) Mr. Pankaj Agarwal- Technical Manager ,SDM Hospital, Jaipur



	<b>BEQAS</b> <b>Blood Bank External Quality Assessment Scheme</b>  Quality is never an accident, it is always the result of intelligent effort	
---	---	---

The term of Advisory Committee shall be two years.

The current list of the Advisory Committee is available with the Secretary.

Advisory Committee shall have at least One BEQAS review meeting every year.

Chairman or Organizer can call additional Meetings at a notice of 7 days.

	<p><b>BEQAS</b>  <b>Blood Bank External Quality Assessment Scheme</b></p> <p>Quality is never an accident, it is always the result of intelligent effort</p>	
---	--	---

## **BEQAS an external quality assurance**

BEQAS is an external quality assurance programme to:

- (a) Determine the performance of Individual Blood banks for specific tests or measurement (as per list available with the Organizer BEQAS) and to monitor Blood Banks continual performance and improvement.
- (b) To provide additional confidence to Blood Bank clients.

Participants of this programme are usually members of the ISBTI and blood bank

The tests of the scheme (e.g. Sampling, sample processing, and Homogeneity testing, etc) would be under the direct supervision of Organizer.

Office bearers ie Chairman, Organizer, Chief Coordinator and Co-organizer shall approve the list of tests. Organizer will have power to add or delete tests after consulting with Office bearers. Initially the list shall include:

- (a) A pooled serum for Infectious diseases (Five or more).
- (b) A whole blood sample for Hematological estimation.
- (c) Any other specimen considered to be appropriate for inclusion by Chairman or Organizer.



Organizer shall prepare homogenized samples. He will ensure that they are filled in pilfer proof vials, packed in a box at ambient temperature. They are transported to participants directly or through coordinators by courier.

The whole process is documented as work procedure.

The participants will communicate the time of receipt of the samples, in their blood bank, to the Organizer.

All samples will be accompanied by a format specifying the nature of sample, date of dispatch etc.

The participant will reject any doubtful sample and the Chief Coordinators will be informed.

	<p><b>BEQAS</b>  <b>Blood Bank External Quality Assessment Scheme</b></p> <p>Quality is never an accident, it is always the result of intelligent effort</p>	
---	--	---

The participants will perform the test within two working days after receipt of the samples and communicate the results on format to the Chief coordinator by courier or email.



The frequency of distribution of samples will be Quarterly (3 cycles per year)

The information on the methods or procedures, which the participants may need to use to perform the tests, is given in format accompanying the sample.

Organizer or Chief Coordinator will perform the analysis of results received from participants as per internationally acceptable statistical methods (including Mean, Standard Deviation, Coefficient of Variance, and Standard Deviation Index etc.



A report will be sent to the participants giving information on the Mean, Standard Deviation, CV% and SDI of all participants. At a latter stage after Identification of peer group Blood Banks there results may also be communicated.

Organizer may add a comment on the performance if it is in the unacceptable range along with suggestions on improvement.

	<p><b>BEQAS</b>  <b>Blood Bank External Quality Assessment Scheme</b></p> <p>Quality is never an accident, it is always the result of intelligent effort</p>	
---	--	---

## Preparation and issue of reports

- Reports can be received by courier, mail or email.
- Results must arrive at BEQAS office by 17.00 HRS on the final date
- Late results will not be accepted after the final date.
- The report format shall be completely filled and must have all the information regarding
  - Name of Organization, Address, phone .no and e-mail.
  - Cycle. No.
  - Sample identification
  - Identification no and name of participant
  - Methods or Procedures used by the participants to perform the specific tests.
  - Name of instrument
  - Name of Manufacturer and
  - Kit lot .no and it's expiry date
- The participants can reject the samples, if they do not find it suitable for analysis and reason of rejection should be mentioned in the report format or informed telephonically.
- The technical manager performs the analysis of results received from the participants as per internationally acceptable statistically method.( including Mean ,Standard Deviation, Coefficient of Variation and Accuracy Scoring ). Detail evaluation procedures are mentioned in Standard Operative Procedure.
- A final report shall be sent to the participant giving all relevant information and evaluation with the score maintaining confidentiality.
- The following details are included in the final evaluation reports
  - Name and address of the organization.
  - Date of issue of report.
  - Report number and clear identification of the scheme.
  - Blood Bank participation codes and test results.
  - Procedures used to establish any assigned value.
  - Statistical data and summaries, including assigned value.
  - Score achieved
  - Comments on Blood Bank performance by the organizer.
- Results are dispatched by email or by courier if requested by participant.
- Results shall be made available preferably within 4 days.

	<b>BEQAS</b> <b>Blood Bank External Quality Assessment Scheme</b>  Quality is never an accident, it is always the result of intelligent effort	
---	---	---

## **Fees for Participation**

Kindly see application form.