Bar Coding of Blood Derivates
- User Perspective,
Finnish Red Cross Blood Service

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Production Process
Finnish Red Cross Blood Service
Agenda

1. Finnish Red Cross Blood Service (FRC BS)
2. Octaplas Process in Finland
3. Bar Coding of Blood Component in FRC BS
4. Bar Coding of Octaplas
5. Traceability of Octaplas Products
6. Other Blood Derivates
7. Summary
Blood Service in Finland

- Operationally and financially independent, non-profit organization within the Finnish Red Cross
- EU Blood Directive effective since 1 January 2005
- Key figures in 2007:
  - 274,686 blood donations
  - 161,562 donors
  - 80 stem cell transplants provided to patients
  - 421,892 blood components sold to hospitals
  - 31,914 Octaplas products sold to hospitals
  - 2,5 million laboratory tests
  - 587 employees
  - 70,4 million euros in turnover

www.bts.redcross.fi

Our values: The well-being of the patient – Each donor is respected and appreciated – Reliability – Well-being of the working community – Operational efficiency
Octaplas Process in Finland

- Blood collection in FRC BS
- Separation of blood to blood components and blood component preparation (including FFP 8)
- FFP 8 shipments to Octapharma
- Receiving and manufacturing of FFP 8 to Octaplas in Octapharma
- Receiving of Octaplas from Octapharma to FRC BS stock
- Distribution of Octaplas to hospitals
- Receiving of Octaplas from FRC BS to hospital stock
- Thawing and transfusing of Octaplas to patients
Bar Coding of Blood Component in FRC BS, a label of blood component

- **001 Donation Identification Number**
- **007 Collection Date and Time**
- **003 Product Code**
- **002 Blood Groups [ABO and RhD]**
- **005 Expiration Date and Time**
- **013 Special Testing: Red Blood Cell Antigens -- Finnish**
Bar Coding of Octaplas, a Label of Octaplas

001 Donation Identification Number

002 Blood Groups [ABO and RhD]

003 Product Code

005 Expiration Date and Time

No ISBT 128 data structure for batch number
Bar Coding of Octaplas, a Box Label of Octaplas

- No ISBT 128 data structure for batch number
- 003 Product Code
- 002 Blood Groups [ABO and RhD]
## Traceability of Octaplas Products, a Link File Between Batch Number and DIN

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Other Blood Derivates

- Barcodes exist barely in other blood derivatives
- Information input (receiving, releasing, delivering of products) to IT system manually without barcode scanning
- VNR number (used in Scandinavia, requested from national agency for medicines) used in blood derivatives as a product code
Summary

• FRC BS
  – Octaplas is handled and delivered as batches
  – Important information as ISBT 128 barcodes except batch number
  – DINs asked to be included to Octaplas box label

• Hospitals
  – Octaplas is received and handled as units and like blood components

• Traceability of Octaplas
  – Ensured by link file between batch number and DIN