# Traceability An important risk mitigation program

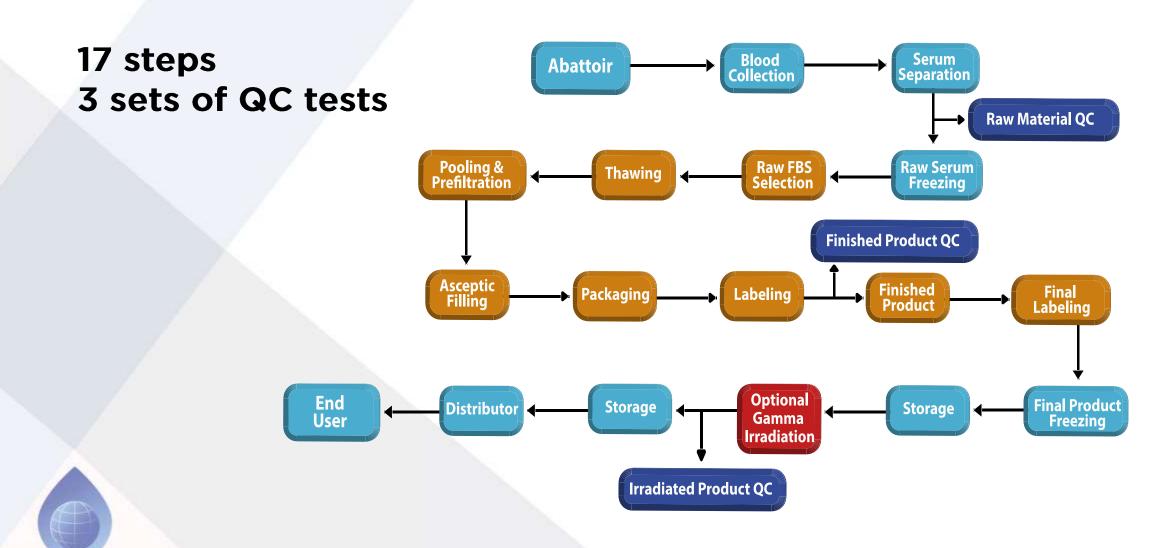




NOTHING WORKS LIKE SERUM

INTERNATIONAL SERUM
INDUSTRY ASSOCIATION

#### **Process Flowchart**



## **Modular Audit Focus**

	Section
A	Auditor and Company Guidelines
В	Overview
C	Raw Materials
D	Blood Collection
E	Blood Transfer - Collection to Primary Processing
F	Primary Processing – Blood Processing to Serum or Plasma
G	Serum and/or Plasma Transfer - Primary Processing to Final Processing
Н	Secondary Processing – Finishing of Serum or Plasma
I	Serum and/or Plasma transfer to other locations (including intercompany)
J	Finished Material
K	Shipping
L	Contract Manufacturing Companies
M	Samples for Geographic Testing
N	Bovine Serum Albumin Manufacturing
2	Auditor Summary



# Why the program works!

- Covers all aspects of what happened to the product every step of the way from the abattoir to the customer
- Covers all transactions in the company
  - Not just those for a specific customer
- Focuses on each handoff
  - Not a financial audit but
    - What came in at what price?
    - What went out at what price?





### **How the Program works!**

- Independent Third-Party Audit
  - Performed by an ISIA approved/trained auditor
  - To an ISIA approved audit plan
  - Using a detailed ISIA audit checklist
- Modelled after ISO audits
- Involved origin testing of auditor selected batches
- Initial certification requires at least one year of data



#### **Traceability**

- Suppliers are certified for the piece of the process they perform
  - One step or all steps
- Certification not available for purchase
  - You must meet ALL the requirements
    - Ordering and shipment audits for distributors
- Certification is granted for three years





### **Traceability Certified Companies**

- Animal Technologies Inc.
- Atlas Biologicals
- AvantorSciences
- Axenia BioLogix
- BioMin Biotechnologia S.A.
- By Productos S.A. de C.V.
- Central Biomedia Inc
- Corning Inc.
- Cytiva HyClone
- Gibco Thermo Fisher Scientific

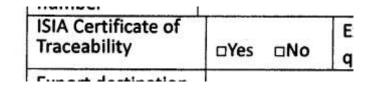
- Life Science Production Group
- Moregate Biotech
- Newman Biotech Australia
- Orygina a JBS Company
- River City Biologicals
- River City Biotecnologia Ltda.
- Rocky Mountain Biologicals
- SeraTec LLC
- TCS Biosciences, Ltd



Others in process

#### **Recognition by Government Regulators**

- This program is recognized by government regulators world-wide as one that contributes to the integrity of serum distribution and the serum industry in general.
- Many customer require ISIA traceability certification.
- Some countries are asking in their import documentation if the serum being imported is ISIA Traceability Certified.



 Trends suggest that the requests by customers to be certified will result in more countries/regulatory agencies deciding to add this qualifier to their import documents.



# Status and Continued Improvement of the ISIA Traceability Certification Program

- 85+% of material used in bio-processing applications in the EU, Japan, Australia, New Zealand and USA is currently certified.
- Increased focus from customers and regulators strengthens the program.
- ISIA works to strengthen through program revisions.



