



Arterial BLOOD SAMPLING

PRODUCT DESCRIPTION

Consumables for arterial blood sampling are single-use devices for collecting arterial blood. This product is usable in various systems and hence in different procedures.

INDUSTRY & FUNCTIONALITY

It is an in vitro diagnostic device for arterial blood sampling. It's used in blood gas analyzers.

REQUIREMENTS & CAPABILITIES

- Requirement management (ISO,FDA, customer and country specific)
- Interface management
- Qualified equipment and proven processes
- Consideration of scale up from project initiation onwards
- Global footprint production
- Production in grey room
- High precision automated assembly
- Total management of global supplier base

DIFFERENT CHALLENGES

- Integration of different functions in the device
- Reduction of subcomponents of the product
- Coated glass capillary was replaced by plastic capillary
- Small sample volume
- Long narrow section
- Challenging aspect ratio
- Various material changes due to the discontinued production of various raw materials

TECHNOLOGY & PROCESS

- Co-development of single components, assembly and processes
- Industrialization
- Tool making
- Automation design and specification
- Injection molding
- Assembly (automated)
- Custom packaging and labeling
- Sterilization