




Dedication to the IVD industry?

**We I.V.DO that™**



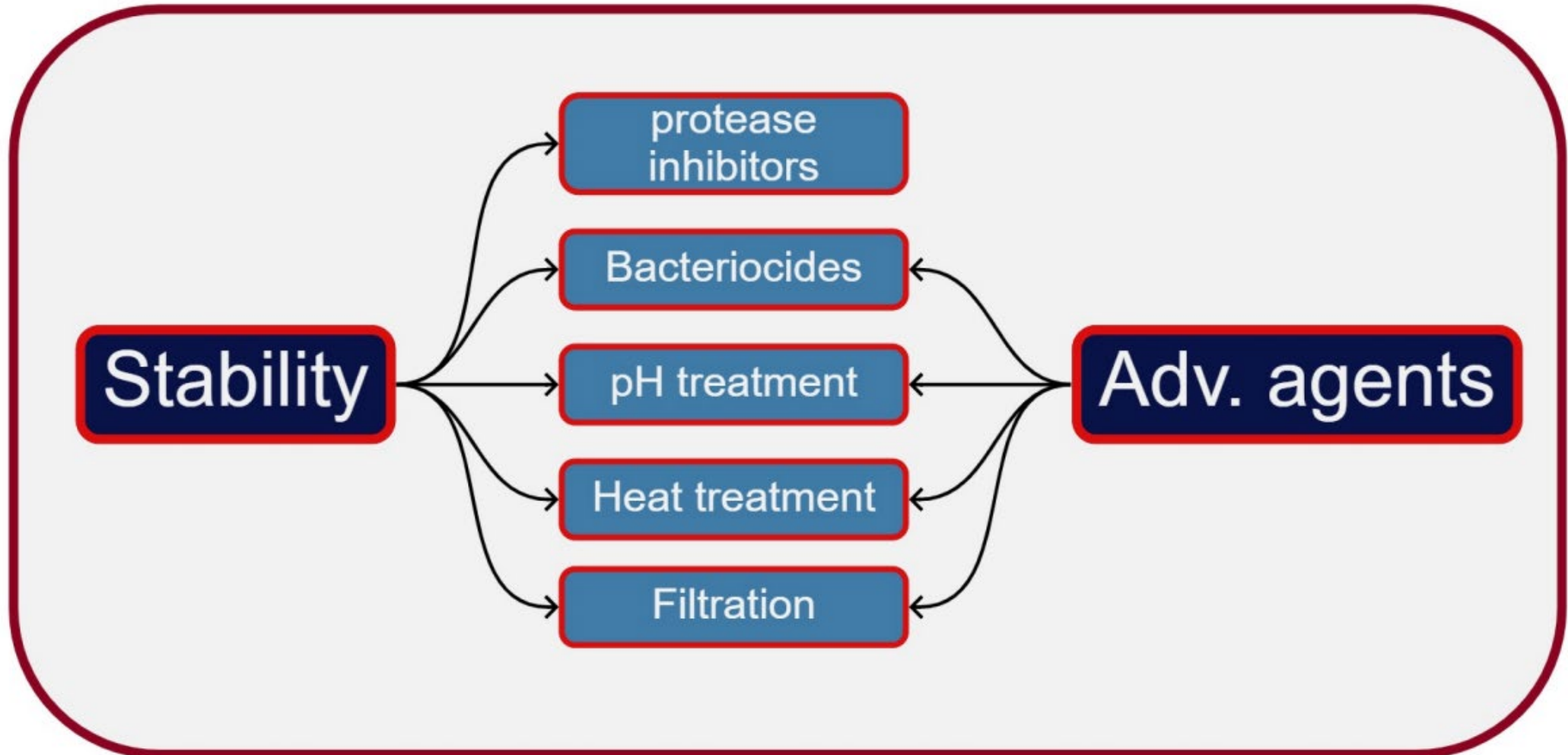
# Overcoming challenges in biospecimen handling

# Common challenges in biospecimens

Technical service requests:



# Biospecimen handling





Longer shelf life  
Better sample quality  
Less interference  
Inhibit adventitious agents

# Biospecimen sourcing

	Attributes	Uses
Pooled samples	Higher volume Multiple donors Typically normal (healthy) Mock samples possible	Assay development Further manufacturing Base matrix Diluent material
Single patient samples	Lower volume Single donor Disease, demographic data defined Mimics true patient samples	Assay validation Physiological research

# Biospecimen sourcing

## Products

- **Fluids:**

- Amniotic Fluid
- Ascites Fluid
- Breast Milk
- Cerebrospinal Fluid
- Fecal Matter
- Nasal Fluid
- Nasal Wash
- Plasma
- Pleural Fluid
- Saliva
- Semen
- Serum
- Sputum
- Sweat
- Synovial Fluid
- Tears
- Urine
- Vaginal Fluid
- Whole Blood

- **Swabs:**

- Buccal Swabs
- Ear Swabs
- Nasal Cavity Swabs
- Perianal Swabs
- Pharyngeal Swabs
- Rectal Swabs
- Semen Swabs
- Vaginal Swabs

- **Tissues:**

- Adipose Tissue
- Umbilical Cord

## Disease State Plasma / Serum

- Auto Immune Disease
  - Multiple Sclerosis
  - Psoriasis
  - Rheumatoid Arthritis (RF)
  - Systemic Lupus
  - Antibody Positive
- Infectious Disease
  - Influenza A/B
  - Legionella (IgG, IgM)
  - Parvovirus, Rubella (IgG, IgM)
  - Etc...
- Interfering Substance
  - Lipemic
  - Icteric
  - Hemolyzed

## Processed and Custom Sourced

- Defibrinated, dialyzed, filtered
- Delipidated
- Affinity, charcoal stripped
- Antibody negative

- Heat , pH treated
- Donor age, gender, race, disease state, custom collection



Blood, sweat, tears (and over 5,000 other products)?

**We I.V.D.O that™**



Thank you for **y**our time