

Checklist of equipment and supplies required for biosecurity application and FMD sample collection in the field.

The equipment needed for disease outbreak investigation and collection of samples for diagnosis of FMD should be accessible to those veterinarians and Laboratory staff who will be responsible for investigating an FMD outbreak in the field.

A minimum set of equipment is provided below:

1. Equipment for field visit and restraint of livestock [Type of equipment's /supplies and (quantity)]

- Map (1)
- Spare Batteries (1)
- Chargers (1)
- Ropes [short (5 meter) and long rope]
- Bull holder (nose clip) (2)
- Restraining pole (1)
- First Aid box for team (1 kit)
- First Aid box with emergency medicines for animals (1 kit)

2. Equipment for biosecurity during the outbreak investigation and sample collection

• Biosecurity Kit

- Apron (team and support staff)
- Overall (as per the team)
- Personal Protective Equipment (PPE) suit (as per the requirement)
- Buckets (minimum 2)
- Garbage bag (minimum 5)
- Gloves disposal [(minimum 1 boxes (n=100)]
- Liquid hand wash (as per the requirement)
- Hand Sanitizers (as per the requirement)
- Mask (1 box n=100)
- Scrubbing brushes(minimum 2)
- Shoe covers per need
- Boots per need
- Sturdy box with lid (1)
- Tarpaulin [3 m x 2m] (1)
- Plastic sheet [3 m x 2m] (1)

- Zip lock bags for mobile phone, important documents (as per the need)
- Laundry bags (per need)
- Boot bags (per need)
- Disinfectant (as per the availability in country context)
- **Suitable disinfectant for FMDV**
 - Inactivated by sodium hydroxide (2%), sodium carbonate (4%), citric acid (0.2%), acetic acid (2%), sodium hypochlorite (3%), potassium peroxymonosulfate/sodium chloride (1%), and chlorine dioxide

3. Equipment and supplies for sample collection

- **General equipment and supplies**
 - Cool box (3 Nos)
 - Ice pack (as per requirement)
 - Antiseptic hand wash (as per requirement)
 - Disinfectant (as per requirement)
 - Hand gloves (20 pairs)
 - Gumboots (6 pairs)
 - Plastic Aprons (10 Nos)
 - Waste disposable bags (10 Nos)
 - Marker pen (2 Nos)
 - Notebook and pens (2 Nos each)
 - Suitable transport media (20 Nos)
 - Suitable containers for transportation of samples
 - Laboratory submission form (5 Nos)
 - Contact details for relevant laboratories (local, national, RL and WRL)
- **Equipment and supplies for collection of blood**
 - Vacutainers without anticoagulant (30 Nos)
 - Vacutainers with anticoagulant (20 Nos)
 - Vacutainer blood collection tube holders for needle attachment (6 Nos)
 - Sterile tubes for serum (40 Nos)
 - Plain blood tubes if blood samples collected in a syringe (30 Nos)
 - Syringes (range of sizes: 5ml and 10ml should be sufficient) if no vacutainers (80 Nos)
 - Suitable needles for blood collection in absence of vacutainers (100 Nos in total)

- ✓ 18-gauge, 1 ½ inch needles for blood collection from cattle and pigs (jugular collection) (either to fit a syringe or for direct collection into a vacutainer)
- ✓ 20-gauge, 1 inch needles for blood collection from small ruminants (either to fit a syringe or for direct collection into a vacutainer)
- Alcohol and swabs/cotton wool for preparation of blood collection site (as per requirement)
- Sharp collector container of 3.5 litres size (2 Nos)
- **Equipment and supplies for collection of tissue samples**
 - 23-gauge needles for collection of vesicular fluid (30 Nos)
 - Syringes (range of sizes: 5ml and 10ml should be sufficient) – (30 Nos)
 - Sterile tubes for vesicular fluid (20 Nos)
 - Sterile forceps and surgical scissors (8 Nos)
 - Sterile tubes with 50% PBS glycerine saline (30 Nos)
 - Swabs (20 Nos)
 - Probang equipment if necessary (3 Nos)
 - Others (as per requirement)