

REPUBLIC OF KENYA



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VETERINARY RESEARCH LABORATORIES

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NAIROBI

CHECK LIST –INSPECTION OF SEMEN PRODUCTION AND DISTRIBUTION FACILITIES

I. Biosafety Measures:

- Double chain link perimeter fence 5 meters apart with the outer fence being at least 2.4 m tall
- Lockable gates with foot and wheel baths containing magadi soda and disinfectant
- Designated and enclosed prequarantine area with a lockable gate, offloading ramp, spray race, incinerator or lockable disposal pit

II. Laboratory

- Bull washing enclosures with clean running water
- Bull observing area with railage to minimize prospects of Bull Attendants being injured by bulls
- Semen collection enclosure under a roof with half crutch for restraining teaser bull and rough concrete floor
- Designated areas and rooms in the laboratory for :Buffer preparation , AV storage ,semen evaluation ,semen dilution ,semen filling and sealing ,cold chamber/cold room, semen freezing, prequarantine semen storage, semen

storage ,equipment and reagents store with refrigerators and glassware cleaning all with adequate ventilation ,easy to clean benches and tables , sinks with clean running and enough space to allow easy movement of Lab Technicians

-Adequate precautions must be taken during semen processing to avoid mixing of bulls during semen dilution and semen filling these include clear labeling of semen collection tubes, dilution bottles and filling beakers

-There should be an ablution block with provision for changing body wear, showering and toilets with running water soap and sanitary rolls

III. Bull accommodation and handling facilities

-Bull pens, or houses with or without paddocks with provision for clean drinking water, feed trays and salt leak trays, adequate drainage and easy disposal of dung and urine

-Bull handling crutch with strong posts and railage

-Sick bay with bull pens provided with watering and feeding trays

-Spray race with adequate provision for disposal of spray race wash

IV. Staff

-Station should be under overall supervision of a Veterinary Surgeon who is registered by the KVB

-Semen evaluation, health of bulls, disease control and quality assurance should be under an experienced Veterinary Surgeon who is registered by the KVB

-Lab Technicians handling semen in the laboratory should be either certificate or diploma holders in Lab Technology from a recognized institution by TVETA and be under supervision of a Laboratory Technologist

-Staff working in laboratory should wear protective clothing which includes lab coats, caps, open lab shoes, cryogenic hand gloves and goggles

V. Disease control measures

- There should be restricted movement of visitors into the station, into the bull accommodation and handling facilities and the Laboratory
- All bulls entering the prequarantine must be tested for all notifiable and breeding diseases
- Routine testing of breeding diseases (Brucellosis, Trichomoniasis and Vibriosis) must be undertaken once every 6 months and records kept

VI. Record keeping

- Records of all bulls entering the station and leaving the station must be kept
- Records of all ailments' and sick bulls treated in the station must be kept

Straws to be filled with semen must be marked with: bull name, bull code, Breed of bull, batch number of semen, KSB number and Station code

- Records of all semen collected, semen evaluation (with the various parameters being recorded), semen processed, stored and distributed should be kept in different registers and up to date with responsible staff signing for the task performed
- Records of all semen distributed to customers should be given including details of breed, number of straws and location of customer and submitted to the DVS Office on monthly basis

VII. Quality assurance

- At least 2 straws of semen per batch must be tested for post freezing motility and any semen batch with less than 50% progressively motile spermatozoa discards by cutting the straws into two. Records of semen tests should be kept in a separate register and kept up to date
- The DVS Office is obliged to take random samples from storage containers for motility testing