

Title: Instrumentation

- A. Purpose: Instrumentation**
- B. Responsibility: Assigned section staff**
- C. Procedure:**

1 ELECTROSTATIC DETECTION APPARATUS (ESDA):

Foster Freeman Manufacturer #72283

Division of Scientific Services #40019

- A** The ESDA equipment falls within the scope of the European Directive 2002/96/EC on Waste Electrical & Electronic Equipment (WEEE)
- B** Use the ESDA only for the purpose intended.
- C** The ESDA shall be used only in accordance with operating instructions.
- D** ESDA spares, accessories, and consumables other than those supplied by the manufacturer shall not be used.
- E** Damaged ESDA equipment shall be take out of service pending repair and re-validated before use.
- F** Records are maintained in the Laboratory housing ESDA equipment
- G** ESDA materials shall be disposed only where appropriate disposal or recycling facilities exist.
- H** ESDA shall not be operated with an incompatible electrical supply
- I** ESDA shall not be operated without a reliable earth connection
- J** ESDA shall not be operated with a damaged mains power lead.
- K** ESDA toner generates dust when used. Ensure proper equipment (facemask, gloves, safety glasses) is worn when using the ESDA 2
- L** The corona wand is a high voltage hazard. Do not touch the corona wire or let your fingers overlap the edges of the wand
- M** The corona wand generates ozone. Ensure proper equipment (facemask, gloves, safety glasses) is worn when using the ESDA 2
- N** The ventilation ports of the ESDA shall not be obstructed.
- O** The ESDA shall be validated and logged before each use

2 VIDEO SPECTRAL COMPARATOR (VSC-4)

Approved by Director: Dr. Guy Vallaro

Foster Freeman Manufacturer #78317

Division of Scientific Services #40913

- A The VSC-4 equipment falls within the scope of the European Directive 2002/96/EC on Waste Electrical & Electronic Equipment (WEEE)**
- B Use the VSC-4 only for the purpose intended.**
- C The VSC-4 shall be used only in accordance with operating instructions.**
- D VSC-4 access covers shall not be removed.**
- E VSC-4 shall not be operated with access covers removed.**
- F VSC-4 spares, accessories, and consumables other than those supplied by the manufacturer shall not be used.**
- G Do not look at any of the VSC-4 light sources while in operation.**
- H The ventilation ports of the VSC-4 shall not be obstructed.**
- I VSC-4 lights shall not be removed without allowing the lamps to cool.**
- J The VSC-4 shall be validated and logged before each use**
- K Damaged VSC-4 equipment shall be take out of service pending repair and re-validated before use.**
- L Records are maintained in the Laboratory housing VSC-4 equipment**
- M The processor used to record VSC-4 images is password protected**
- D. Sources of Error: Not applicable**
- E. References: See Bibliography/Reference Materials.**