

Instruction for the collection of dust samples for Marek's disease virus PCR

1. Materials

- Protective clothing
- Latex gloves
- Cotton swabs
- Sterile sampling flasks of 50 ml (product number GD VLBUI025;
<https://www.gdwebshop.nl/buis-schroefdop-steriel-50-ml-20-stuks- vlbui025>)



2. Procedure

Two dust samples should be collected per house. One sterile sampling flask of 50 ml should be used per sample. Each flask must be filled with dust collected from about five spots equally distant from each other in the first half of the poultry house. Likewise fill the second flask with dust collected in the second half of the barn. Approximately equal amounts of dust should be taken from each spot. Dust is collected from sampling spots by pushing it into the flasks while swabbing a surface of about 25 x 25 cm. Dust present on ridges, curtains, ventilators, ventilator houses, lights, feeder lines, etc. may be subjected to sampling. Flasks should at least contain 10 mg of dust, but preferably be completely filled. Proper identification of samples is extremely important.

Please indicate the following items on the flask and submission form

- Farm
- Sampling date
- House number
- Sample number (1 or 2)

On the submission form also indicate

- Cleaning & disinfection status of the barn
 - Dirty
 - Cleaned
 - Cleaned and disinfected
- Marek's disease vaccination
 - Not vaccinated
 - If vaccinated, specify vaccine type (Rispen, HVT, SB1, etc.)
 - Age at vaccination
 - Vaccination route (in ovo, intramuscular, subcutaneous)
- Marek's disease virus PCR test required
 - Marek virus Rispen DIVA PCR (11722)
 - Marek virus SB1 DIVA PCR (11723)
 - Marek virus HVT PCR 11664)

Samples may be shipped at room temperature.