



麻疹和風疹個案血清學診斷及病毒分離之樣本收集與運送方法指引
GUIDLINE FOR COLLECTION AND TRANSPORTATION OF SPECIMENS FOR DIAGNOSIS
AND SURVEILLANCE OF MEASLES AND RUBELLA CASES

1. 醫生在發現麻疹可疑病例(定義如下)時採集標本進行血清學檢查和病毒學檢查:
 - 發熱 38°C 或以上, 及
 - 斑丘疹, 及
 - 至少下列一項: 咳嗽 / 流涕 / 結膜炎
 2. 標本收集的時間最好是在出疹後的 3 日至 7 日內進行, 血清學標本必須與病毒學標本同時取樣。
 3. 血清學標本(血液)採集方法
抽靜脈血 5ml 於不含抗凝劑的採血管中。
 4. 病毒學標本的採集方法 - 可採用下列方法之一(最好用鼻抽取液):
 - 鼻抽取液: 將數毫升無菌生理鹽水注入鼻腔內然後收集鼻咽分泌物於已盛有病毒運送培養基 (VTM) 的有蓋容器內
 - 咽喉/鼻咽拭子: 以無菌拭子, 擦拭後咽/鼻咽部位(必須取得上皮細胞), 迅速將拭子折斷放入含有病毒運送液 (VTM) 的有蓋樽內。
 5. 送檢的樣本必須連同以下資料:
 - 病人資料: 姓名、金咭號碼 / 身份證號碼、性別、年齡。
 - 臨床資料: 最後一次接受麻疹和風疹疫苗注射的日期, 開始發熱時間及出疹的開始時間。
 - 檢體資料: 檢體種類、採檢日期。
 6. 標本室溫保存, 當天送檢。如未能於當天送檢, 需保存於 2 至 8°C, 儘快送到衛生局公共衛生化驗所。
 7. 測試費用: 免費
病毒運送液(VTM): 由公共衛生化驗所提供, 請致電 85040126
1. Serological sample (for antibody to measles virus) and virological sample (for measles virus isolation) should be taken for all suspected measles cases
 - fever of 38°C or more, and
 - maculo-papular rash, and
 - at least one of the followings:
cough / coryza (runny nose) / conjunctivitis
 2. Timing of sample collection: serological sample is within 3 to 7 days after occurring of rash; serological and virological sample should be collected simultaneously.
 3. Method of blood sample collection:
5ml blood by venupuncture into sterile centrifuge tube, without any anti-coagulant.
 4. Method of virological sample collection – one the followings is acceptable (preferably nasal aspiration)
 - Nasal aspiration: introducing a few ml of sterile saline into the nose with a syringe fitted with fine rubber tubing and collecting the fluid into a screw-capped vial containing viral transport medium.
 - Throat Swabs / Nasopharyngeal swab specimens: are obtained by firmly rubbing with swabs to dislodge the epithelial cells of throat / nasopharynx. After collection, swabs should be placed in viral transport medium (VTM), in screw-capped vials, immediately mixed evenly with the medium.
 5. The following information should be attached with the specimens
 - Patient identification: name, gold card number / ID number, sex and age.
 - Clinical information: date of late Measles and Rubella vaccination, date of fever onset, date of rash onset.
 - Specimen information: collection date, sample type.
 6. Specimen should be kept at room temperature if delivery within 24 hours or otherwise kept at 2-8°C and delivered to Public Health Laboratory as soon as possible
 7. Test fee: Free
Please contact Public Health Laboratory for viral transport medium (VTM).
Tel: 85040126