

How to prepare and send a Chorionic Villus sample (CVS) Protocol

How to prepare a placental villi sample

The required sample amount is at least 10 mg of cryonic villi (CVs). The CVS specimen should be cleaned under a completely sterile condition, under the hood. After placing the specimen inside the Falcon tube, fill the tube with Ham F10 solution, RPMI or any available culture medium (to prevent the villi from adhering to the tube wall during transport, fill the tube completely with the solution). then close the lid of the Falcon tube with parafilm.

Please refrain from manipulating the syringes (bending or removing the needle, removing the cap, breaking the piston, etc.).

Sampling conditions

The best time to culture and chromosomal study of CVs is between 11 and 13 weeks of pregnancy. Sampling before week 10 is not recommended at all.

Required specifications

Name, surname, mother's date of birth, gestational age and, if available, the admission number at the Kariminejad - Najmabadi Pathology & Genetics Center should be recorded on a syringe or Falcon tube.

Required documents

The necessary documents for testing included the latest ultrasound examination, screening tests, pre-pregnancy tests, medical file summary and physician's prescription.

Recommended conditions for temperature and time storage until delivery to the center

Samples can be stored at refrigerated temperatures for up to 24 hours Maximum 24 hours refrigerator temperature

In summer, place the ice pack in the flask. so that the ionolite is between the syringes and the dry ice pack. **In no case should the placental villi samples be in direct contact with ice.** In cold season, there is no need to use ice packs.

Delivery time

Sample delivery time on- working days from Saturday to Wednesday is 7:30 AM to 5 PM and on Thursdays is from 7:30 AM to 1:30 PM.



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