

Hermansky-Pudlak Syndrome

Platelet Electron Microscopy Service – Great Ormond Street Hospital

The EM unit at GOSH provides a specialist diagnostic service for a wide range of paediatric disorders to numerous NHS hospitals and many institutions abroad. This includes ultrastructural examination of blood and platelet samples which are routinely examined using ultrathin sections. Whole mount preparation of platelet samples, to identify the presence or absence of dense granules as in HPS, is also a procedure provided by the department. The hospital has invested in a new state of art electron microscope and has the capability and expertise to undertake these esoteric investigations.

Test requesting

Requests for this test should be made by the patient's clinical advisor, normally a Consultant Haematologist or Clinical Geneticist. Please include details of where the final pathology report should be sent.

Pre booking

To avoid too many samples arriving on the same day it is essential that tests are booked in advance. Contact details for requesting this investigation are:

**Histopathology Department
Electron Microscopy Unit
Camelia Botnar Laboratories – level 3
Great Ormond Street Hospital for Children
85 Lambs Conduit Street
London WC1N 3NN**

Direct line number – 0207 829 8663

Sample requirement

3.0 - 5.0 ml of an EDTA blood sample dispatched by courier or next day delivery service. Please do not freeze or store blood sample on ice.

Turnaround time and reporting

The department aims to have the initial whole mount preparation report within 2 weeks of receiving the sample. If the sample may benefit from ultrathin section investigation a second report will follow in a further 2 weeks.

Cost of test

The GOSH Trust is financially bound to recover the costs incurred by the hospital for these manually time consuming investigations that have to be undertaken immediately on arrival to the laboratory. The cost for electron microscopy of this type, which will include resin processing of the platelet sample, for possible future examination, is £350.00.