



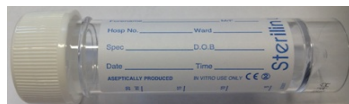
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# Peritoneal Dialysis Fluid

<b>Synonyms</b>	PDF, PD Fluid, CAPD, Continuous ambulatory peritoneal dialysis fluid
<b>Clinical Indication</b>	<p>Symptoms of peritonitis, cloudy dialysis effluent, abdominal pain and tenderness, fever, nausea, vomiting, chills</p> <p>Please give detailed clinical information, including date of onset/contact with suspected infection, current or intended antibiotic therapy, detail if previous samples submitted during current episode</p>
<b>Part of Profile / See Also</b>	<p><b>Microscopy:</b> for organisms &amp; WBCs <b>Culture:</b> for aerobic and anaerobic organisms.</p>
<b>Request Form</b>	ICE or Medway order comms request or hand completed Pathology /Microbiology request form
<b>Availability / Frequency of Analysis</b>	<p>On request during working day or out of hours as specified below.</p> <p>For urgent requests please contact laboratory on 01268 968285/8232</p> <p>Out of hours, please contact on-call Microbiology lab staff via switchboard</p>
<b>Turnaround Time</b>	<p>Microscopy: cell count and Gram <a href="#">stain</a> performed on receipt / same day.</p> <p>Culture: <a href="#">7 days</a></p>
<b>Patient Preparation</b>	Sample at day 1, then samples post commencement of antibiotics at 3,7 and 10 days
<b>Sample Requirements</b>	<a href="#">Samples should be collected before antibiotic therapy is started.</a>
<b>Specimen Type</b>	Peritoneal dialysis fluid.
<b>Volume</b>	<p>Complete CAPD bag (large or small size)</p> <p><b>OR</b> contents of large bag, mixed and drained to residual approximate volume of 200 mls for transportation</p> <p><b>OR</b></p> <p>20 mls of fluid from bag, mixed and transferred into universal <b>PLUS</b> fluid in blood culture bottles according to volumes stated on blood culture bottle</p>
<b>Container</b>	<p><a href="#">CAPD samples may be received as a full CAPD bag or already in blood culture bottles plus a universal container.</a></p> <p>CAPD bag either large or small size (small size is preferred and safer for transportation)</p> <p>White capped universal and blood culture bottles (adult routine set) – containers to be CE marked</p> <p>Samples should be transported to laboratory immediately.</p>



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**Reference Range & Units**

>100 WBC x 10<sup>6</sup> per litre correlates closely with infection

**Interferences**

CAPD bags must be mixed well prior to sampling, this is to ensure accuracy of cell count results. Poorly distributed WBCs will result in lower cell counts. Clots within the sample may also lead to inaccurate cell counts. If blood culture bottles are inoculated by clinical staff and good aseptic technique isn't observed, contamination may occur.

**Interpretation & Clinical**

**Decision Value (if applicable)**

**References**

UK SMI – Investigation of Continuous Ambulatory Peritoneal Dialysis Fluid: Bacteriology | B 25 | Issue no: 6 | Issue date: 20.02.15

**Test code**

CAPD

**Lab Handling**

Process immediately on receipt. If 'blood culture ' bottles received inoculated with CAPD, these will loaded to analyser in the ESL immediately.