

Test Name:	Urine C Peptide
Referral Laboratory Name:	Blood Sciences, Royal Devon and Exeter
Laboratory Postage Address For Samples	Blood Sciences - Area A2 Royal Devon and Exeter NHS Foundation Trust Barrack Road Exeter EX2 5DW
Telephone Number For Results	01392 402935
Contact Person Name, Telephone Number and Email Address	Mandy Perry, Quality Lead, Consultant Biochemist 01392 402932 mandy.perry@nhs.net
Laboratory Website Address	https://www.exeterlaboratory.com/
UKAS Number	8210
Is this test ISO accredited?	Yes
Patient Preparation:	
Does the patient need to be fasting, to have stopped drugs or have any other specific requirements?	Yes – measurement should be on a post prandial sample taken approximately two hours after a meal stimulus.
If a Blood Test:	
What collection tube(s) can be used e.g. SST, EDTA, Lithium Heparin, Fluoride Oxalate or Trace Metal?	n/a
Is a tube containing gel acceptable?	n/a
Are there any other sample handling requirements e.g. protect sample from light, transport on ice?	n/a
Is centrifugation and separation required, and if so is there a time limit?	n/a
Is haemolysis or lipaemia acceptable?	n/a
If a Urine Test:	
Random, 24hr or other collection time period?	Random urine collection
Is a preservative required? (If so, what?)	Boric acid – preferable collection in Boricon containers
Required pH of urine on receipt in laboratory or to be pH'd prior to storage/postage?	n/a – boric acid preservative appropriately acidifies sample on collection
Other requirements	Plain urine if <24hrs old
Volume/Storage/Postage:	
Sample Volume - preferred and minimum	20 mL – to the fill line

Sample Stability Info e.g. Room Temp, 4°C or -20°C	Sample stable for 3 days in boric acid containers at ambient temperature. If plain urine tube, stable for <24hrs, freeze immediately upon receipt
Sample Storage Requirements – for our laboratory prior to posting	If unable to send sample immediately, freeze at -20°C and send at ambient temperature in the post. For long-term storage, recommend freezing at -80°C
Posting Requirements	Send at ambient temperature
Assay Information:	
Assay Method	Electrochemiluminescence Immunoassay (ECLIA)
CE Marked?	Yes
EQA Scheme?	Yes – sample exchange (Nottingham University Hospital)
How often is EQA performed?	Quarterly
Has this test had poor performance for EQA in the last year?	No
Please give details if yes to above question	n/a
Reference range(s) and Units	0.030 – 133 nmol/L – measuring range >0.03 nmol/L – reference range
Turnaround time and/or set days of analysis	7 days
Length of sample storage by your laboratory post-analysis	4 days
Cost of test	£11.85
Analytical Sensitivity	0.03 nmol/L
Analytical Specificity	Unaffected by icterus (bilirubin < 855 µmol/L or < 50 mg/dL), hemolysis (Hb < 0.186 mmol/L or < 0.3 g/dL), lipemia (Intralipid < 2000 mg/dL) and biotin (< 246 nmol/L or < 60 ng/mL).
Do you use NPEX for the electronic transmission of results for this test?	Yes
If you use NPEX please state a contact name and email address	Chris Carr – Pathology IT Manager ccarr5@nhs.net