

ST. JAMES'S HOSPITAL LABMED DIRECTORATE			
Q-Pulse Doc No:	Bio-Memo-2021/04	Date of Issue	19.03.21
Change of Assay for ALA/PBG			

MEMORANDUM

Originating Department	Biochemistry
Issued By:	Dr Vivion Crowley, Consultant Chemical Pathologist
Issued To:	All service users
Subject:	Assay of Urine Porphyrin Precursors (ALA and PBG)
Details: 1.Change of Method for the measurement of Urine Porphyrin Precursors (ALA and PBG) from Bio-Rad to Recipe Kit ClinEasy® Photometric Complete Kits	

- We wish to advise all the users that from January 2021, we have changed our suppliers of the kit for analysing Urinary Porphyrin precursors ALA and PBG. We will now be using the ClinEasy® Photometric Complete Kits from the company Recipe chemicals +instruments GmbH
- This has resulted in a change to the quoted reference range.

	[umol/mmol creatinine]*		
	Negative	Borderline	Positive
5-ALA	< 2.60	2.6 - 6.91	> 6.91
PBG	< 0.89	0.89 - 2.36	> 2.36

- These reference ranges are quoted by the manufacturer and are taken from appropriately selected populations and current scientific literature. The ranges quoted should be considered as indicative only.
- Patient results must be interpreted in the context of the overall clinical picture and to facilitate this specific interpretive comments will accompany each result and should be consulted to enable appropriate patient management decisions
- In addition, please consult LabMed User handbook St James's Hospital for further information and guidance use the following link
<http://www.stjames.ie/services/laboratorymedicinelabmed/Biochemistry/>
Under Useful resources view the following document "Clinical relevance of Porphyrin precursor results"
- Finally, it is recommended that appropriate screening for and diagnosis of Acute Hepatic Porphyrins (including Acute Intermittent Porphyria, Variegate Porphyria or Hereditary Coproporphria) should be undertaken in consultation with the Porphyria service, Biochemistry Department, St James's Hospital.
- Please contact-Dr Vivion Crowley, (vcrowley@stjames.ie) SpR, 01 4162047 or the Porphyrin laboratory staff @ 01 416 2058 for further advice and information.

Dr Vivion Crowley, Consultant Chemical Pathologist

NOTE: All memos issued from the LabMed Directorate must be recorded as active documents on Q-Pulse