



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_19710
Title of the Manuscript:	Periodic Acid Schiff reactions and general tissue morphology of conventionally-processed versus two rapid microwave-processed tissues
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1. In the introduction (lines 23-26): many histology laboratories replaced xylene with CitriSolv, which is a d-limonene-based biodegradable reagent. Please discuss or mention this. 2. Lines 62-71 – I think these should be a separate paragraph and not continuum of the list. I also suggest re-writing this paragraph for clarification. It is very confusing. 3. The idea of reducing chemical waste and shortening the time required for specimen analysis is very attractive in particular for clinical specimens (and has been previously demonstrated by others: Rohr et al. Am J Clin Pathol, 2001; Ref 19; and several others). The authors discussed the aspect of replacing xylene with isopropanol and correctly cited Ref. 5. Please discuss the advantages of using microwave techniques as well, since it is a major point of the manuscript. 4. In the discussion it will be appropriate to mention that isopropanol-microwave method is only useful for very small samples since the microwave only penetrates 15 mm into the tissue (you can refer to histology textbooks). In addition, it will be appropriate to mention that this method is gaining popularity in clinics and research laboratories (search Google for “microwave isopropanol tissue	1. Noted and provided as requested 2. Done 3. Noted and presented from line 20 to 22 as well as line 309 to 330 of the corrected manuscript. 4. Noted. However, the microwave technique is efficient on a tissue of a thickness of up to 2mm. Therefore, if a tissue has a dimension of 15mmX 10mm X 2mm, it is effective on the microwave technique as the concern here is the thickness and not necessarily the length or breadth



SDI Review Form 1.6

	processing") 5. Please provide the statistical analysis and results from the microscopic assessment of the tissues (as described in section 2.6.2 in materials & methods) Ethical issue: There is no mentioning of an approved protocol for animal studies in the manuscript. If animals were handled under the approval of the university animal research committee, it must be stated.	5. Provided as demanded. Animal handling and sacrifice was done by authorised Veterinarians at the Central Diagnostic Division (CDL) saddled with the responsibility by the National Veterinary Research Institute, Vom, Nigeria, where the work was done. The ethical committee of the CDL usually gives the researcher a clearance letter which is taken to the dissection room for the next level of the work. See attached letter of clearance from the Head of department/Chairman, ethical committee, CDL, NVRI, Vom, Nigeria, for details.
--	---	---



SDI Review Form 1.6

<u>Minor</u> REVISION comments	1. Write "Periodic acid–Schiff–diastase" first time PAS-D is mentioned 2. To be consistent with abbreviating PAS-D, haematoxylin & eosin should be abbreviated to H&E (or HE) 3. Line 41: delete the word "e.g." 4. Line 165: There is no need to write 1440 min, please change that to 24 hours. It is conceptually easier to compare 85 min to 24 h, or even 1.5 h to 24 h. Change that in figure 1 and figure 1 legend as well. 5. Figure 1 legend is covered by x-axis title 6. Similar comment on lines 168-169 and figure 2: please change 2000, 3000, 10000 mL to 2, 3, 10 L respectively. Change graph from mL to L as well. 7. Line 282 : change less then 100 min to less then 2h or 1h40'	1. Done 2. Done 3. Done 4. Done 5. The figure has been removed as it it already in the result and discussion. 6. Done 7. Done
<u>Optional/General</u> comments	In the histology images the letters representing treatment (C / V /W) are all mixed up. Please confirm that the labels are correct in the original file.	Done