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23 AUG 2021  
REGISTRY  
MIN. OF SCIENCE, TECHNOLOGY & INNOVATION

THE PHARMACEUTICAL SOCIETY  
OF UGANDA  
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P.O. BOX 3774, KAMPALA

UGANDA CANCER INSTITUTE  
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24 AUG 2021

Robert Mijumbi,  
C/O Ssenkaaba & Co. Advocates,  
Plot 245 Jinja Road,  
2<sup>nd</sup> Floor Suite 2F2/3 MK House, Bweyogerere,  
P.O. Box 6487, Kampala.  
Email: [miberto@hotmail.co.uk](mailto:miberto@hotmail.co.uk)  
Mobile: +256 715 332 824

MINISTRY OF HEALTH  
REGISTRY  
24 AUG 2021  
Secretary,  
National Drug Authority,  
Rumee Towers, Plot 19 Lunumba Avenue,  
P.O. Box 23096, Kampala.

UGANDA NATIONAL COUNCIL  
FOR SCIENCE AND TECHNOLOGY  
P.O. BOX 6884, KAMPALA (U)  
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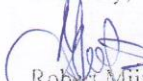
23<sup>rd</sup> August 2021  
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24 AUG 2021  
SECURITY REGISTRY  
OFFICE OF THE PRIME MINISTER

Dear Scientist,

RESULTS OF SAFETY STUDY OF BertoCOV ON LABORATORY RAT

As I notified you in my letter of 29<sup>th</sup> July 2021, I tested BertoCOV for animal safety and also used the same opportunity to test BertoVI, BertoHEP and BertoCAN. From my findings, these products are very safe and the results are hereto attached. Please note that breeding experiments were not conducted and thus the effect of individual product on gestation, lactation, and progeny, is yet to be studied; however, from theory no harm is anticipated.

Sincerely,

  
Robert Mijumbi  
C.E.O. Biobert Research Group Ltd.

PARLIAMENT SECURITY  
24 AUG 2021  
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SECURITY REGISTRY HEADQUARTERS  
23 AUG 2021  
P.O. BOX 7055 KAMPALA

- CC: H.E. Gen. Yoweri Kaguta Tibuhabwe Museveni, President of the Republic of Uganda  
 The Rt. Hon. Speaker, Parliament of the Republic of Uganda  
 The Rt. Hon. Prime Minister  
 The Director Research, Ministry of Science, Technology and Innovation  
 The Permanent Secretary, Ministry of Health  
 The Executive Secretary, Uganda National Council for Science and Technology  
 The Pharmaceutical Society of Uganda  
 The Uganda Medical Association  
 The Uganda Medical and Dental Practitioners Council  
 The Uganda Cancer Institute  
 The Uganda Aids Commission  
 The Inspector General of Police

UGANDA MEDICAL & DENTAL PRACTITIONERS COUNCIL  
24 AUG 2021  
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Amman B  
24/08/2021

UGANDA AIDS COMMISSION  
REGISTRY RECEIVED  
23 AUG 2021  
Signs:.....  
P.O. BOX 10779, KAMPALA

UGANDA MEDICAL ASSOCIATION  
23 AUG 2021  
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P.O. BOX 2243, KAMPALA - UGANDA

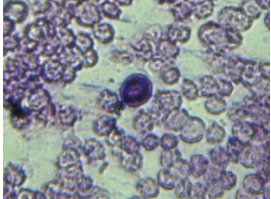
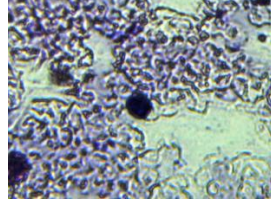
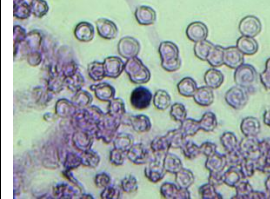
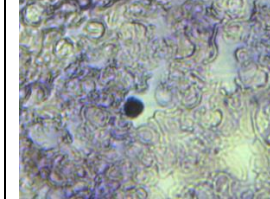
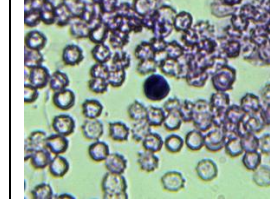
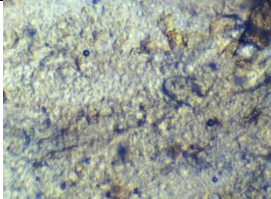
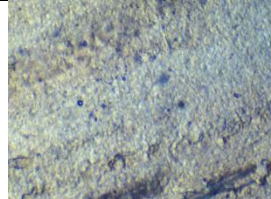
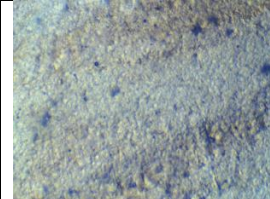
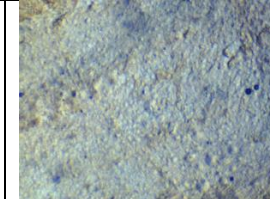
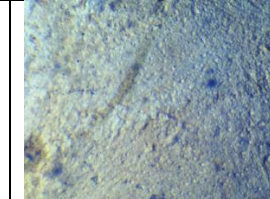
NATIONAL DRUG AUTHORITY REGISTRY	
Date Received	28/8/21
Time:	10:29
Registry No.	5603/21
Received by:	Victoria
Dept.	Dps

## SAFETY OF BertoCOV, BertoV1, BertoHEP AND BertoCAN ON LABORATORY RAT

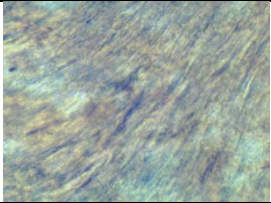
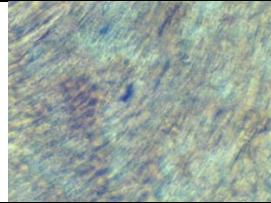
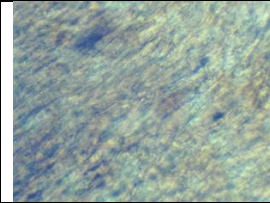
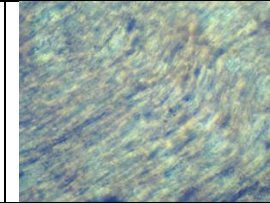
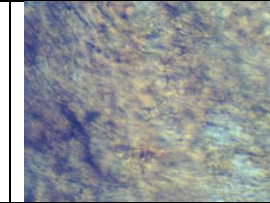
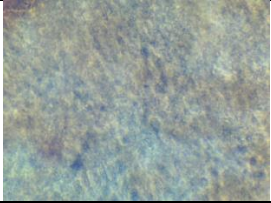
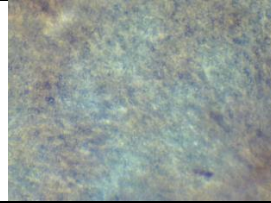
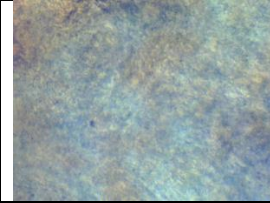
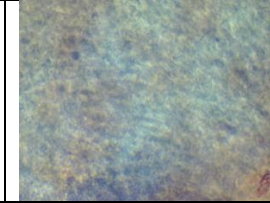
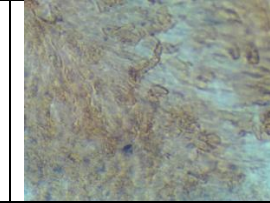
### Procedure

Five (5) albino rats, *Rattus sp.*, were obtained from a commercial breeder and transported in a rodent-friendly environment to the laboratory within 20 minutes. Each rat was marked and assigned a name corresponding to the therapy it would receive, that is, BertoCOV, BertoV1, BertoHEP, BertoCAN and Control. From each rat, 1 ml of venous blood was collected from the tail vein and tested for erythrocyte sedimentation rate. The live weight of each test animal was then taken after which each was kept in a solitary confinement. Each rat was fed on a feed that contained full human dose of the respective drug on an ad libitum basis. Urine and faecal matter of each test animal was collected on a regular basis and analysed using ultraviolet visible spectrophotometry and electrophoresis for the presence of API. After ten (10) days of solitary confinement, the five (5) mammals were reunited in an environment specially designed to simulate their wild habitat, for ten (10) more days. The live weight of each mammal was measured and a dissection performed. Blood was collected to test for erythrocyte sedimentation rate and smears were made, stained using Field's stain, for cell morphology and count. The brain, heart, liver and kidneys were prepared for histopathological analyses and stained using Hematoxylin and Eosin.

Observations				Deductions
<ol style="list-style-type: none"> <li>1. No test animal died</li> <li>2. Each mammal consumed its feed at a constant rate</li> <li>3. Each mammal maintained a normal response to external stimuli</li> <li>4. Electrophoresis/ spectrophotometry of urine did not detect API</li> <li>5. Electrophoresis/ spectrophotometry of faeces did not detect API</li> </ol>				<ol style="list-style-type: none"> <li>1. None of the test drugs and/or doses was lethal</li> <li>2. None of the drugs alters appetite</li> <li>3. None of the drugs is a prion</li> <li>4. API metabolized by the mammalian system</li> <li>5. API absorbed/ assimilated</li> </ol>
Live weight (g)	Rat	Before	After	
	BertoCOV	230.38	231.43	Drug does not affect animal weight
	BertoV1	216.95	217.01	Drug does not affect animal weight
	BertoHEP	210.93	213.11	Drug does not affect animal weight
	BertoCAN	202.70	204.68	Drug does not affect animal weight
	Control	248.73	251.88	Normal physiology
Erythrocyte sedimentati on rate (mm/hr)	Rat	Before	After	
	BertoCOV	1.32	1.29	Drug is not infectious
	BertoV1	1.36	1.33	Drug is not infectious
	BertoHEP	1.28	1.34	Drug is not infectious
	BertoCAN	1.40	1.45	Drug is not infectious

	Control	1.31	1.27	Normal physiology		
White blood cell count per field of view (X1000)	Rat	Count after experimental period				
	BertoCOV	2		Drug is not infectious		
	BertoV1	3		Drug is not infectious		
	BertoHEP	2		Drug is not infectious		
	BertoCAN	2		Drug is not infectious		
	Control	2		Normal physiology		
	<b>Blood microscopy</b>					
Photomicrograph (X1000)	Rat					Both leukocytes and erythrocytes appear normal, drugs are harmless.
	BertoCOV	BertoV1	BertoHEP	BertoCAN	Control	
						
<b>Histopathology</b>						
<b>Observations</b>					<b>Deductions</b>	
<b>Brain</b>						
Photomicrograph (X100)	Rat					All four slides show normal histology. None of the drugs is a prion.
	BertoCOV	BertoV1	BertoHEP	BertoCAN	Control	
						



Heart						All four slides show normal histology. None of the drugs is harmful.
Photomicrograph (X250)	Rat					
	BertoCOV	BertoV1	BertoHEP	BertoCAN	Control	
						
Liver						All four slides show normal histology. None of the drugs is harmful.
Photomicrograph (X250)	Rat					
	BertoCOV	BertoV1	BertoHEP	BertoCAN	Control	
						
Kidney						All four slides show normal histology. None of the drugs is harmful.
Photomicrograph (X250)	Rat					
	BertoCOV	BertoV1	BertoHEP	BertoCAN	Control	
	