

Supplementary Materials

Table S1. Description of sampled sites.

Area	Sample codes	Site Location	Sample	Sample description
Agbara Ogun State	WTPi	6°30' N 3°5' E	Untreated wastewater	Central untreated wastewater holding tank
	WTPii		Treated water	Treatment tank
	RWi	6°29' N 3°6' E	River water	Upstream of receiving water
	RWii	6°29' N 3°6' E	River water	Downstream of receiving water
	WWii1	6°30' N 3°4' E	Wastewater	Wastewater channel
	WWii2	6°30' N 3°4' E	Wastewater	Wastewater holding tank
	WWiv	6°30' N 3°6' E	Wastewater	Wastewater outlet
	WWv	6°30' N 3°4' E	Wastewater	Stored wastewater
Sango Ota Ogun State	WWi1	6°30' N 3°5' E	Wastewater	Holding tank
	WWi2	6°30' N 3°5' E	Wastewater	Discharge point
	WWvi	6°42' N 3°13' E	Wastewater	Outlet to the public drainage
Ikeja-Lagos State	WWiii	7°39' N 5°3' E	Wastewater	Holding tank
	WWvii	9°46' N 5°56' E	Wastewater	Discharge channel
	WWviii	6°10' N 5°18' E	Wastewater	Holding tank
	WWix	-	Wastewater	Wastewater channel
Oshodi-Lagos State	WWx	-	Wastewater	Holding tank wastewater
Isolo-Lagos State	WWxi	-	Wastewater	Holding tank
	WWxii	-	Wastewater	Discharge point
	WWxiii	-	Wastewater	Holding tank
	WWxiv	-	Wastewater	Holding tank



Table S2. Colony Forming Unit per mL (CFU/mL) for the Environmental Samples under study on Plate Count Agar.

S/N	Sample Codes ^a	CFU/mL
1	WWi1	3.8×10 ⁵
2	WWi2	2.2×10 ⁸
3	WWii1	4.8×10 ⁵
4	WWii2	0.3×10 ⁷
5	WWiii	4.5×10 ⁵
6	WWiv	3.7×10 ⁵
7	WWv	2.2×10 ⁸
8	WWviii	6.6×10 ⁵
9	WWix	1.2×10 ⁴
10	WWxii	0.1×10 ⁷
11	WTPi	3.6×10 ⁴
12	WTPii	2.6×10 ⁶
13	RWi	2.2×10 ⁵
14	RWii	0.6×10 ⁵

^a WW denotes Wastewaters from individual pharmaceutical facilities; WTP wastewater from the Wastewater Treatment Plant; RW, River Water.

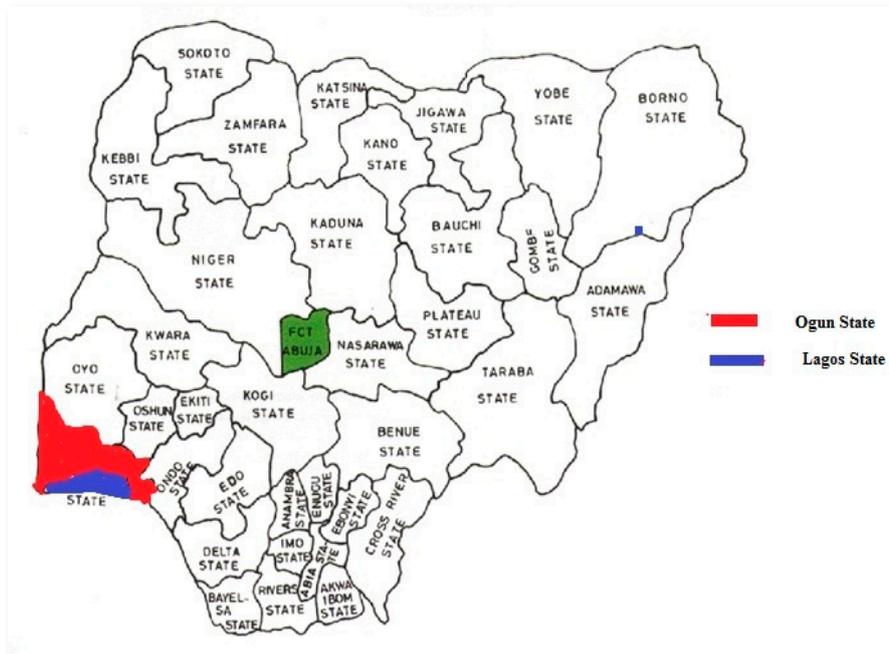


Figure S1. Map of Nigeria highlighting the study areas: Ogun and Lagos States.



Figure S2. A section of the map of Nigeria showing Agbara Industrial Area in Ogun State.



Plate S1. Cross-section of the wastewater treatment Plant located in Agbara Industrial Estate, in Ogun State, Nigeria.



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