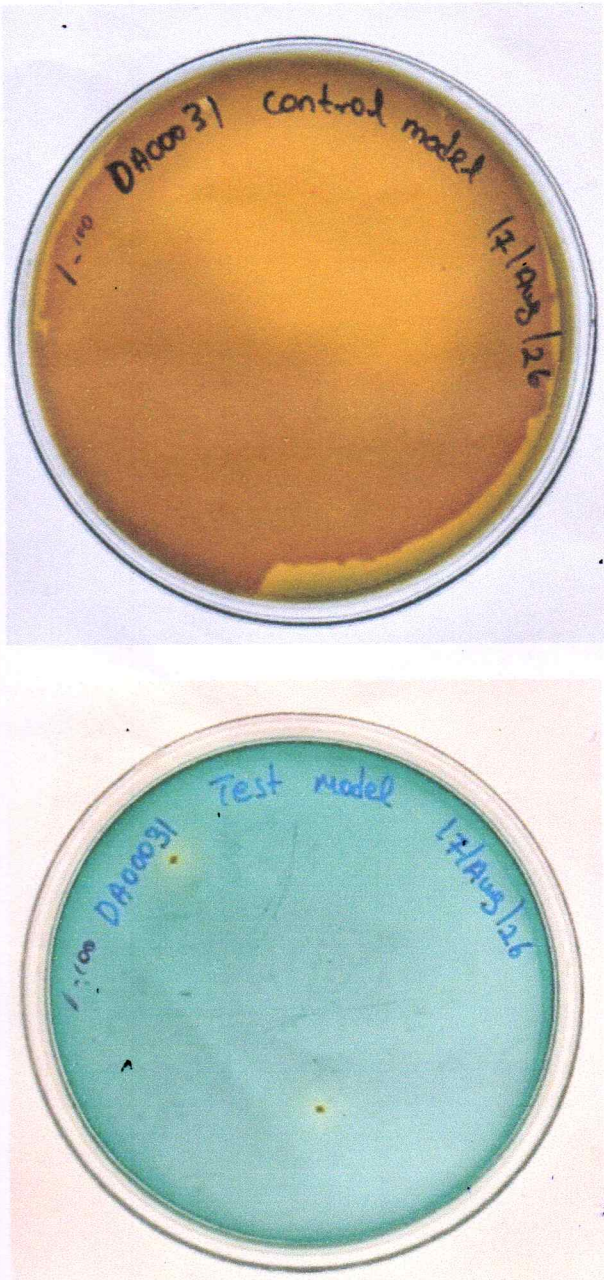


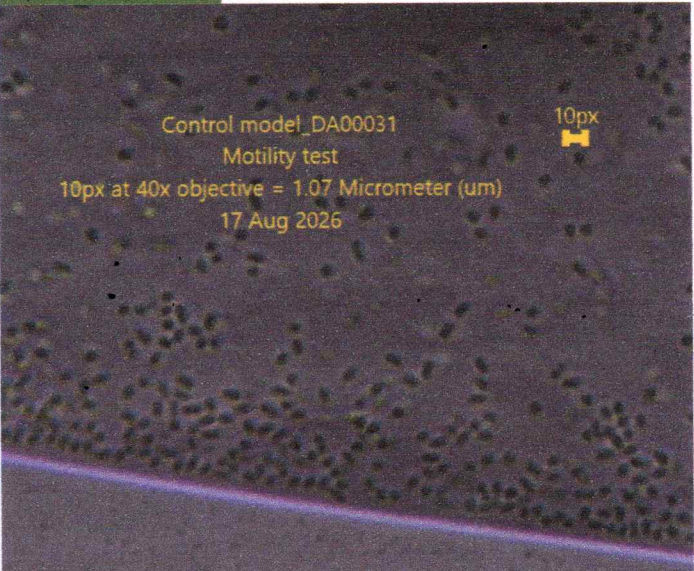
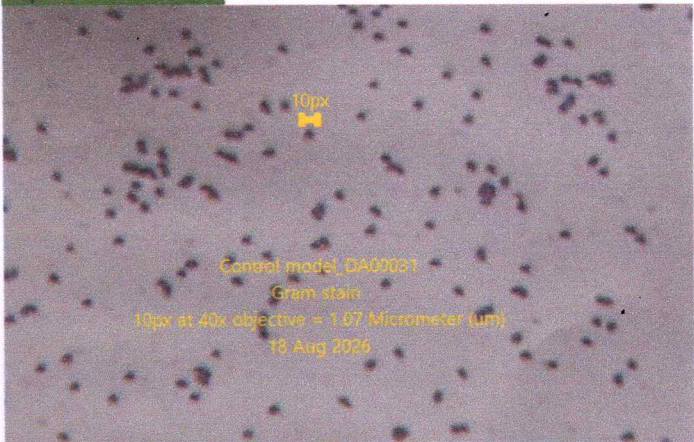
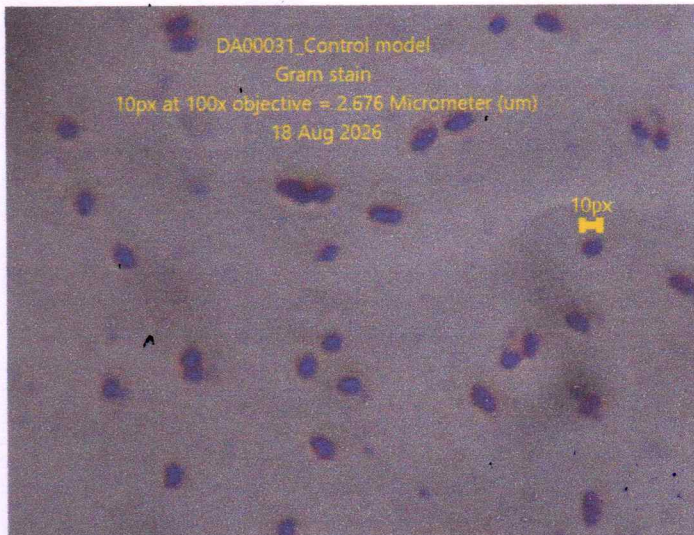


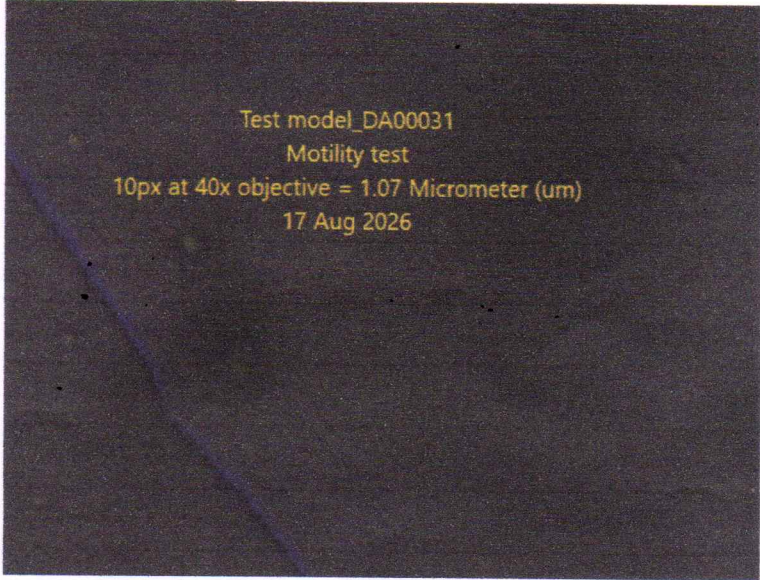
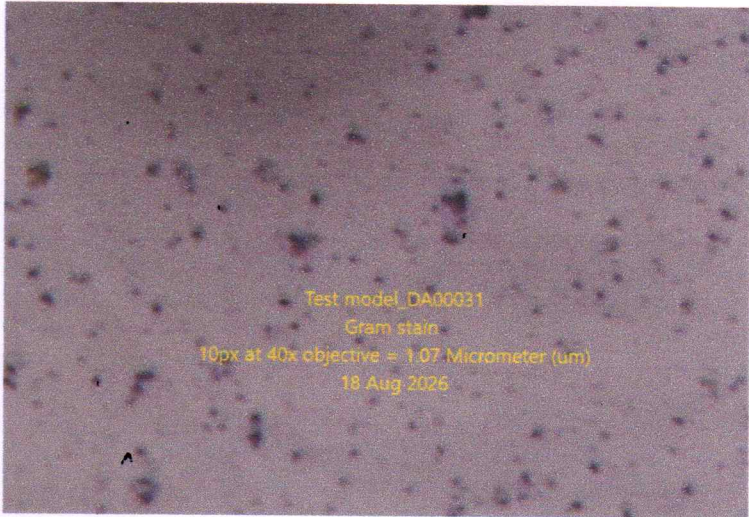
DRIFTACT QUALITY CONTROL DOCUMENT

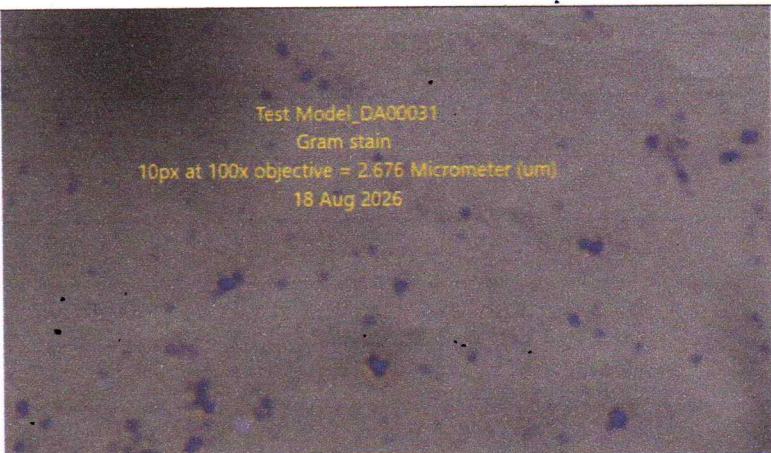
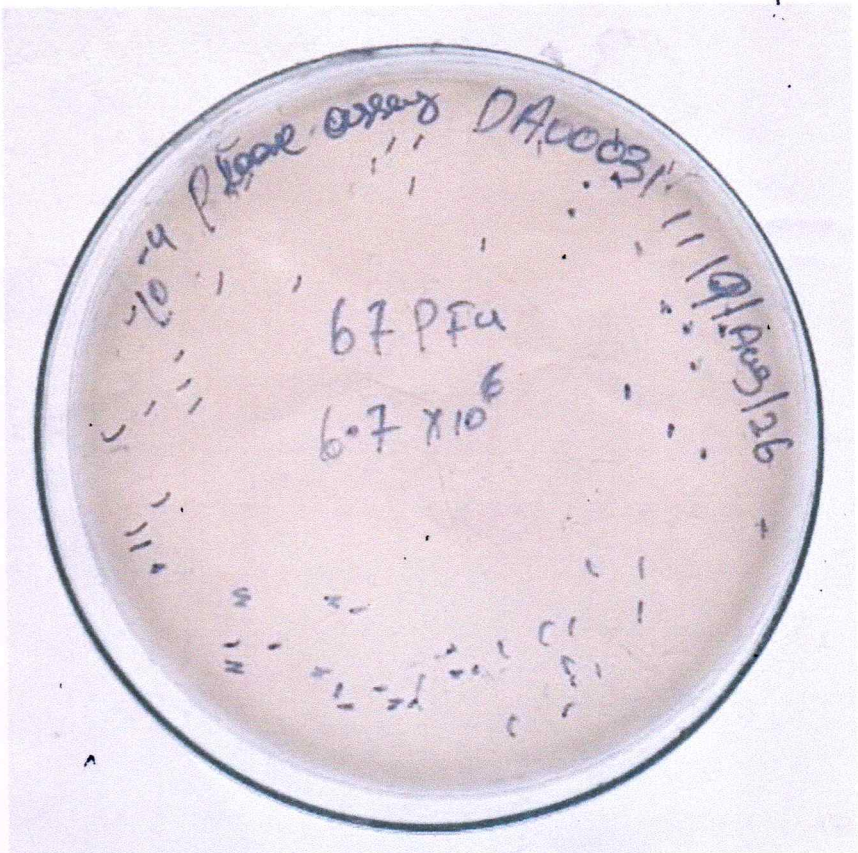
LOT NUMBER: DA00031

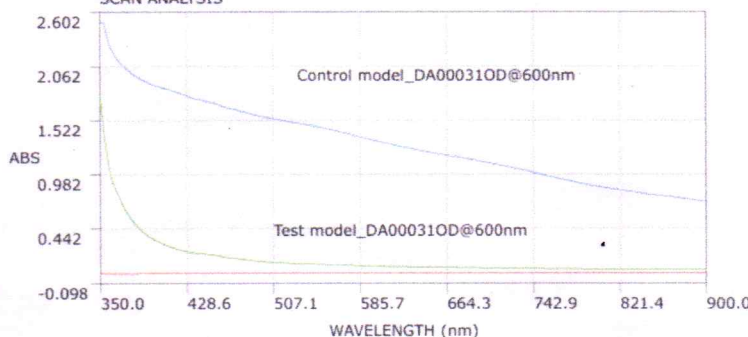
QC COMPLETED DATE: 22 AUGUST 2026

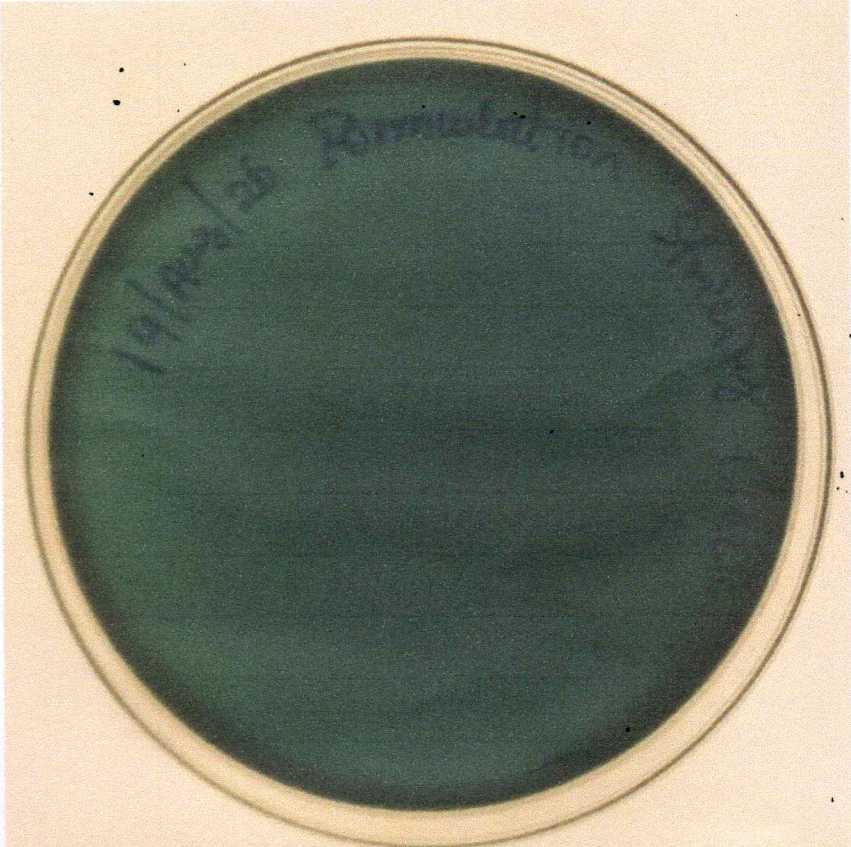
<u>QUALITY CONTROL TESTS DONE</u>	<u>Expected outcome</u>	<u>Actual outcome</u>
BIO-PRODUCTION QC- DRIFTACT		
TEST MODEL& CONTROL MODEL SAMPLE ON TCBS AGAR AFTER PHAGE TREATMENT FOR 4 HOURS. (The quality check uses one of the vibrio host as the model host and tests its viability when grown alone (Control Model) and when grown along with the presence of treated, final reference phages (Test Model))	Reduced number of viable cfu in Test Model when compared to Control Model.	Expected outcome 

OBSERVATION OF CONTROL MODEL CULTURE ALIQUOT IN HANGING DROP FOR MOTILITY TEST	Expected to see higher cell density when compared to Test Model. Uniform single cell to be observed across the drop.	Expected outcome  Control model DA00031 Motility test 10px at 40x objective = 1.07 Micrometer (um) 17 Aug 2026 10px
GRAM STAINING OF CONTROL MODEL CULTURE ALIQUOT.	Gram negative cells and presence of Vibrio cell morphology	Expected outcome  Control model DA00031 Gram stain 10px at 40x objective = 1.07 Micrometer (um) 18 Aug 2026 10px  DA00031 Control model Gram stain 10px at 100x objective = 2.676 Micrometer (um) 18 Aug 2026 10px

OBSERVATION OF TEST MODEL CULTURE ALIQUOT IN HANGING DROP FOR MOTILITY TEST	Expected to see Reduced cell density when compared to Control Model. Uniform single cell to be observed across the drop.	Expected outcome 
GRAM STAINING OF TEST MODEL CULTURE ALIQUOT.	Gram negative cells and presence of Vibrio cell morphology Note: Micrograph of 100x objective (1000x magnification) not obtained as there was considerable reduction in bacterial cell density due to phage treatment. Only image with 40x	Expected outcome 

	objective is captured.	
PHAGE TITRATION USING MODEL HOST BY DILUTION PLATING OF PHAGES ON MODEL HOST.	Countable plaque forming units (PFU).	Expected outcome  Phage count: 6.7×10^6 PFU per mL.

OD ₆₀₀ SPECTROPHOTOMETER RESULTS						
OPTICAL DENSITY OF CONTROL MODEL CULTURE.	MINIMUM OF OD ₆₀₀ = 0.5	Expected outcome OD₆₀₀ = 1.322  Control model_DA00031OD@600nm.rar				
OPTICAL DENSITY OF TEST MODEL CULTURE.	OD ₆₀₀ TO BE LESS THAN THE HOST ONLY ALIQUOT CULTURE.	Expected outcome OD₆₀₀ = 0.073  test model DA00031OD600nm.rar				
COMBINED SPECTRAL SCAN IMAGE OF CONTROL MODEL VS TEST MODEL	TEST MODEL TO HAVE LOWER ABSORBANCE CHARACTERS THAN CONTROL MODEL.	SYSTRONICS VIS Double Beam Spectro - 1203 Date : 17-08-2026Time : 05-22-58 PM Name : Systronics Sample ID : SCAN ANALYSIS  LEGENDS: Blank ReadTest model_DA00031OD@600nmControl model_DA00031OD@600nm POINT PICK <table><tr><th>Wavelength</th><th>ABS</th></tr><tr><td>600.0</td><td>1.322</td></tr></table>  control vs test DA00031.rar	Wavelength	ABS	600.0	1.322
Wavelength	ABS					
600.0	1.322					
OPTICAL DENSITY OF HOST ONLY ALIQUOT CULTURE-REFERENCE	APPROXIMATE OF OD ₆₀₀ = 1	Expected outcome OD₆₀₀ = 1.517  Reference_Host_Bioreactor_Sample_DA00031.rar				

HOST (Bioreactor Sample)		
TCBS SPOT TEST OF TREATED, FINAL REFERENCE PHAGE.	THE TREATED FINAL REFERENCE PHAGES TESTED IS TO BE COMPLETELY FREE OF VIBRIO.	Expected outcome 

QUALITY
APPROVED