

**JUNE**

WEEK 3

# PCR CLEAN UP OF SAMPLE 1,2\*,3,4

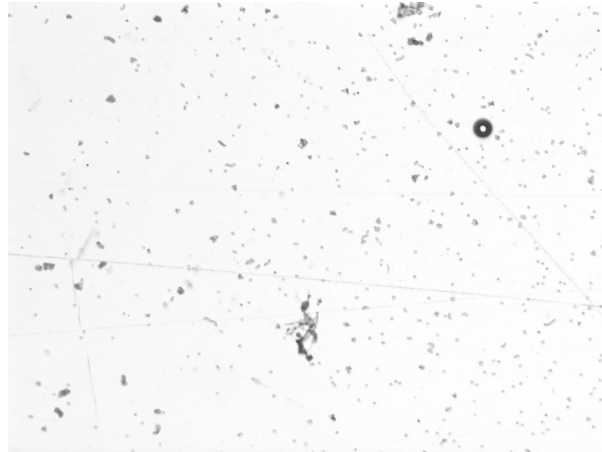
## PROTOCOL :

1. Add 5 volumes Buffer PB to 1 volume of the PCR reaction and mix. If the color of the mixture is orange or violet, add 10  $\mu$ l 3 M sodium acetate, pH 5.0, and mix. The color of the mixture will turn yellow.
2. Place a QIAquick column in a provided 2 ml collection.
3. To bind DNA, apply the sample to the QIAquick column and centrifuge for 30–60s.
4. Discard flow-through and place the QIAquick column back in the same tube.
5. To wash, add 600  $\mu$ l Buffer PE to the QIAquick column & centrifuge for 30–60 s.
6. Discard flow-through and place the QIAquick column back into the same tube.
7. Centrifuge the QIAquick column once more in the provided 2 ml collection tube for 1 min to remove residual wash buffer.
8. Place each QIAquick column in a clean 1.5 ml microcentrifuge tube.
9. To elute DNA, add 25  $\mu$ l Buffer EB (10 mM Tris·Cl, pH 8.5) at 70 degree Celsius or water (pH 7.0–8.5) to the center of the QIAquick membrane let the column stand for 1 min in water bath at 70 degree and centrifuge the column for 1 min. For increased DNA concentration, add 25  $\mu$ l elution buffer to the center of the QIAquick membrane, let the column stand for 1 min and then centrifuge.

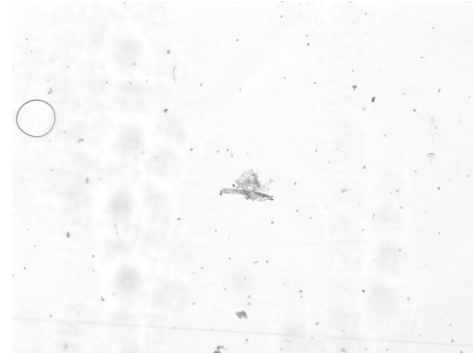
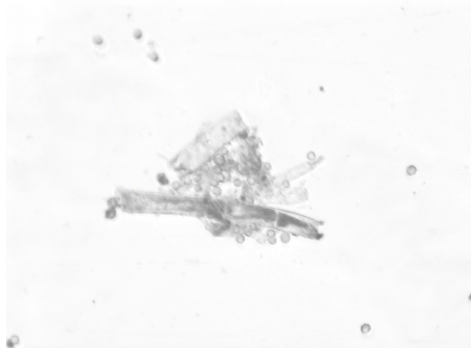
# NANODROP RESULT

S.No.	Concentration	A260/A280	A260/A230
1	6.2	1.72	1.28
2*	13.9	1.75	1.70
3	25	1.61	1.26
4	29.2	1.68	0.99

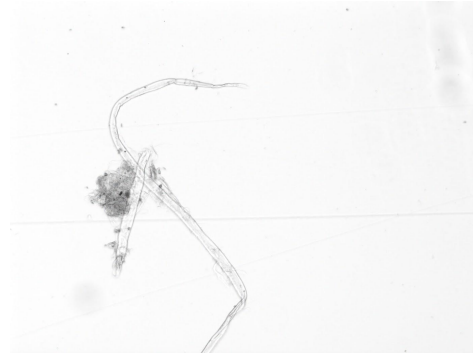
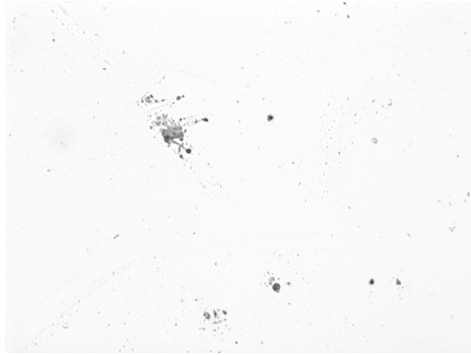
# OBSERVED C4 UNDER BRIGHT FIELD MICROSCOPE



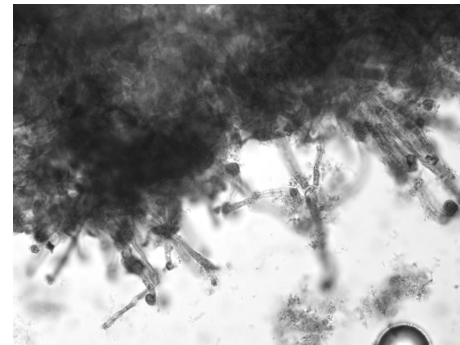
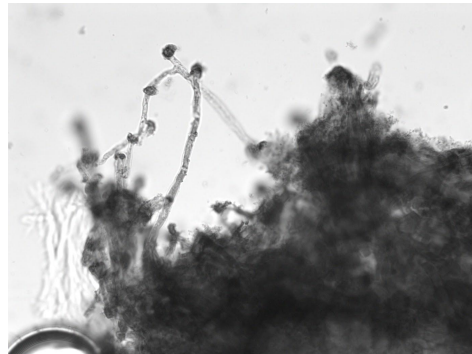
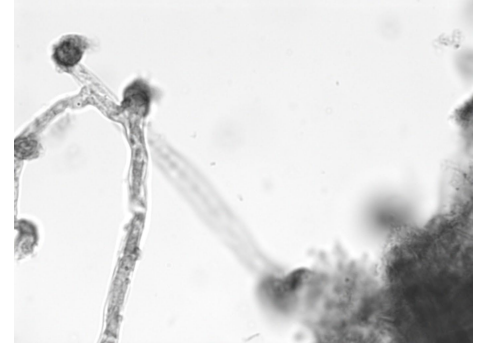
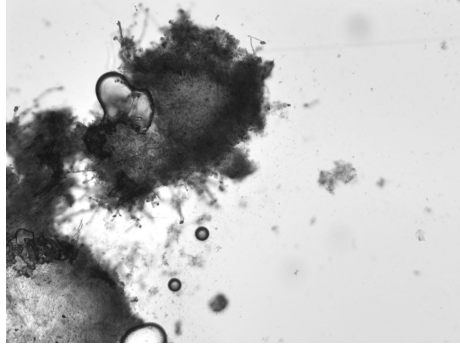
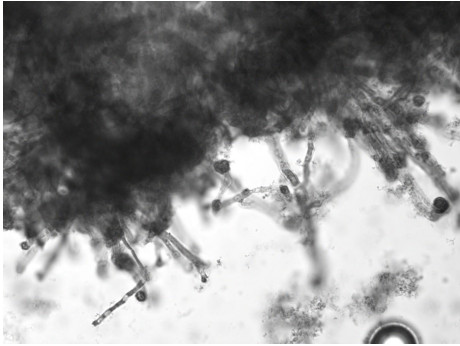
# OBSERVED C8 UNDER BRIGHT FIELD MICROSCOPE



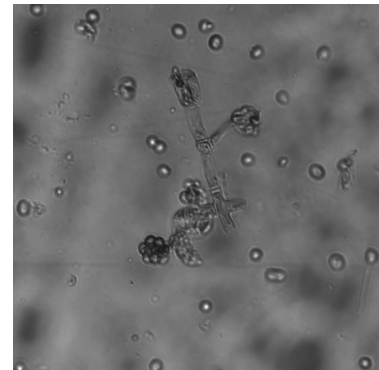
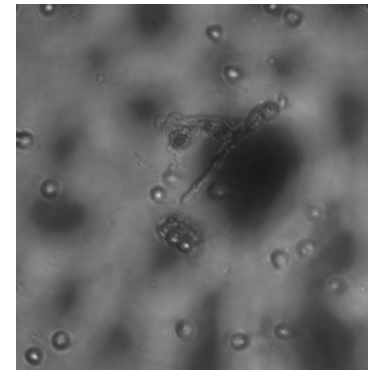
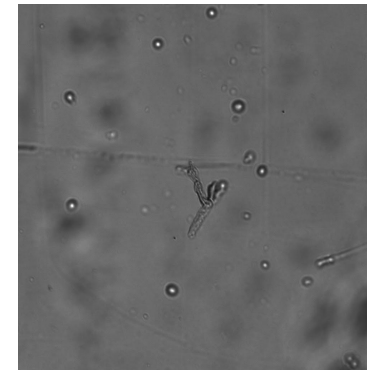
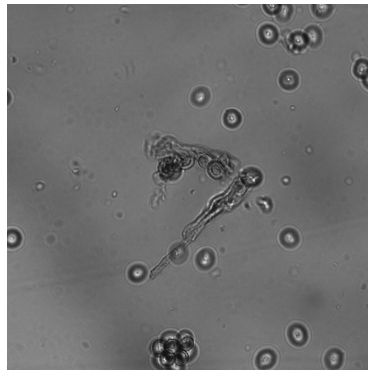
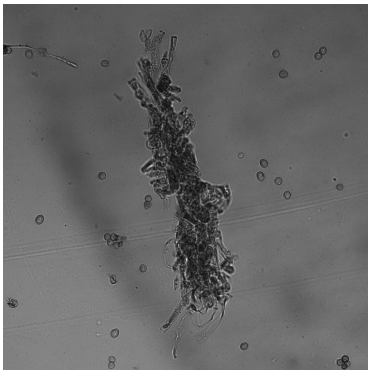
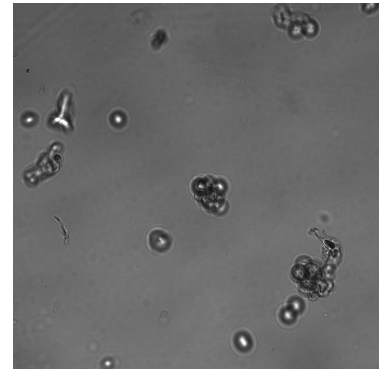
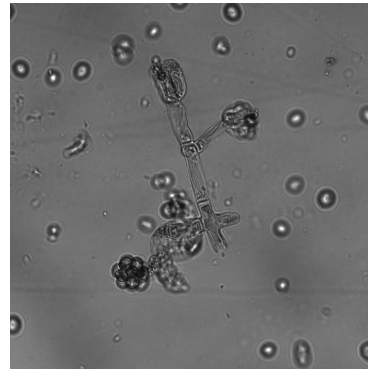
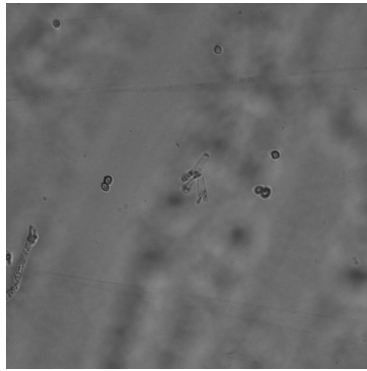
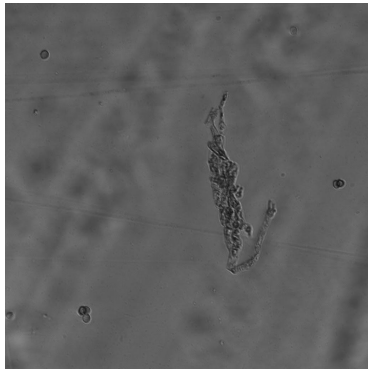
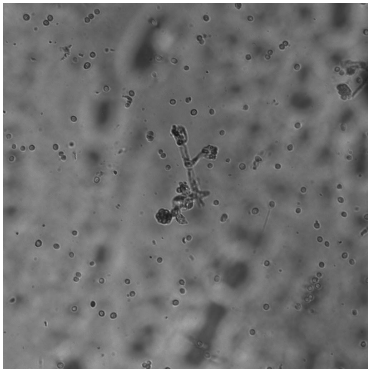
# OBSERVED C19 UNDER BRIGHT FIELD MICROSCOPE



# OBSERVED C1 UNDER BRIGHT FIELD MICROSCOPE

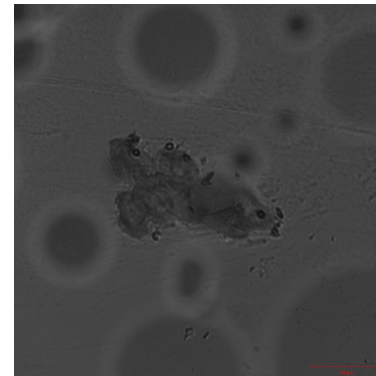
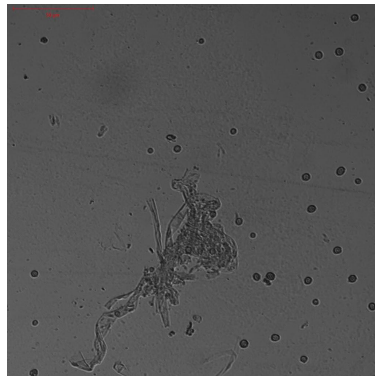
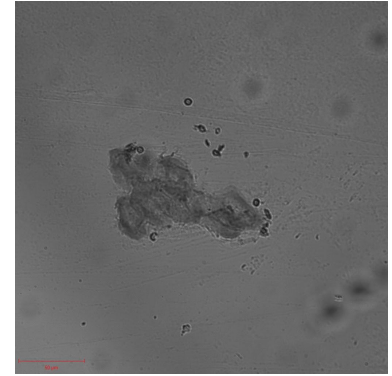
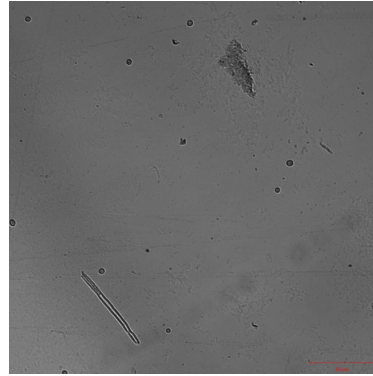
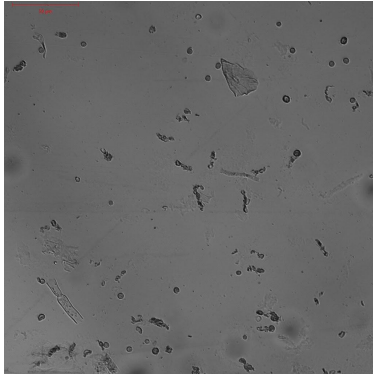


# OBSERVED C4 UNDER CONFOCAL MICROSCOPE





# OBSERVED C8 UNDER CONFOCAL MICROSCOPE



# OBSERVED C1 UNDER CONFOCAL MICROSCOPE

