

MICROSCOPIC OBJECTS FREQUENTLY OBSERVED IN mRNA COVID19 VACCINES

Dr. Pablo Campra files

October 27th, 2021

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IMPORTANT NOTES

- Here we show some of the more common objects that could be observed in sealed vials from different random samples of COVID19 mRNA vaccines through optic microscopy on bright field, using low magnification between 100x y 600X
- Some objects are accompanied by their micro-RAMAN spectra to help future identification (excitation beam 514 nm)
- As far as we know, neither the identity of these objects has been stated by the manufacturers, nor they have been properly identified by independent labs.
- The identity, origin of these objects and routes of entry in the vials , whether inoculation or contamination, is out of the scope of this report.

IMPORTANT NOTES

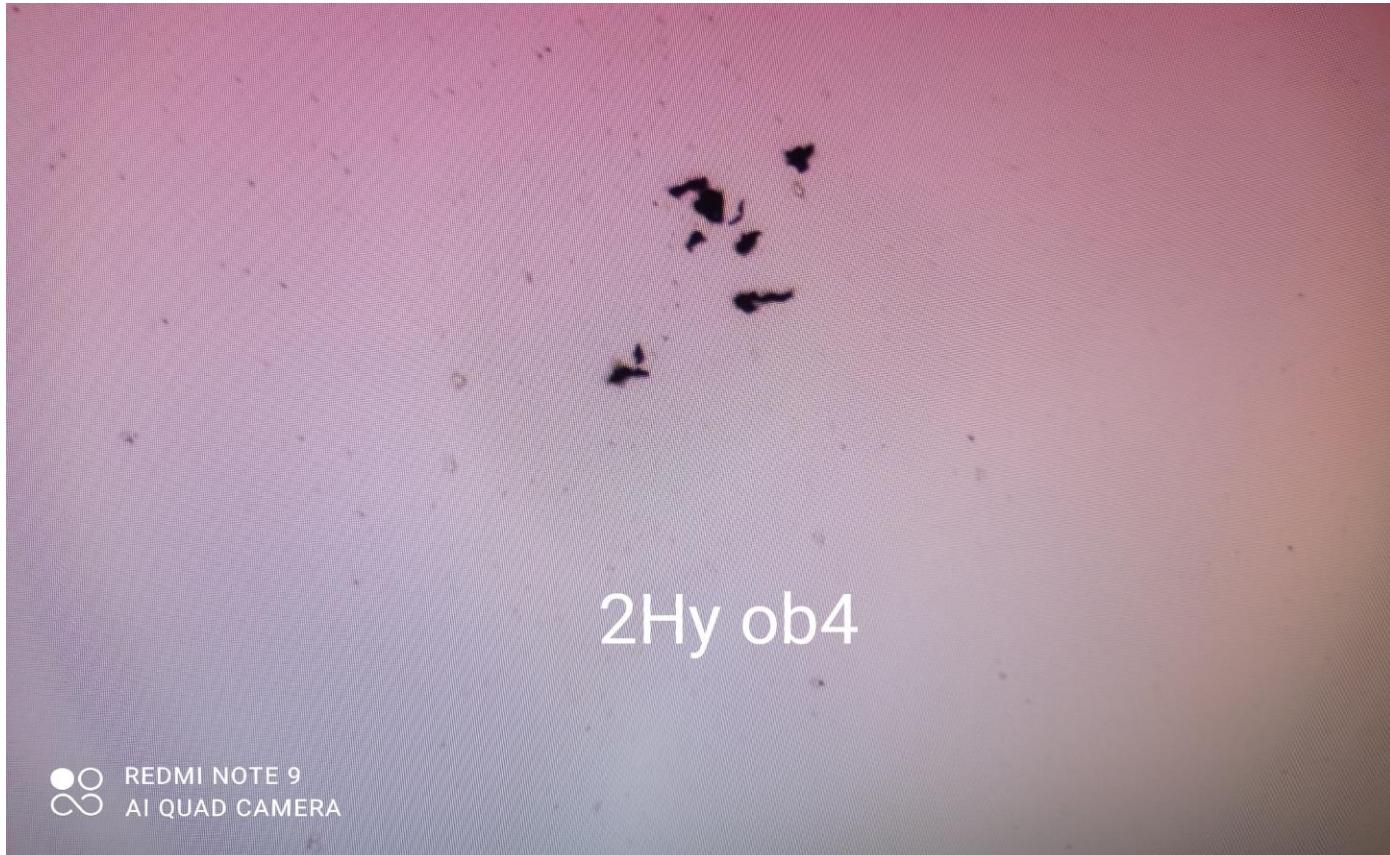
- The aim of this presentation is to make a call to manufacturers and experts in different fields to propose working hypothesis to properly characterize these objects, helping to optimize quality controls during manufacturing and handling, and make sure complete information is given to users on the exact composition and risk/benefit assessment of these experimental drugs.
- THESE PHOTOS, SPECTRA AND SLIDES ARE PROTECTED BY COPYRIGHT LAW. PRINTING A COPY OF AN IMAGE OR POSTING IT ONLINE WITHOUT PERMISSION OR WITHOUT PROPERLY CITING THEIR AUTHORSHIP IS A VIOLATION OF COPYRIGHT.
- AUTHOR: Pablo Campra, PhD. Almería, Spain
- CONTACT: pcampra@ual.es

KEY TO SAMPLES USED IN PRESENT STUDY:

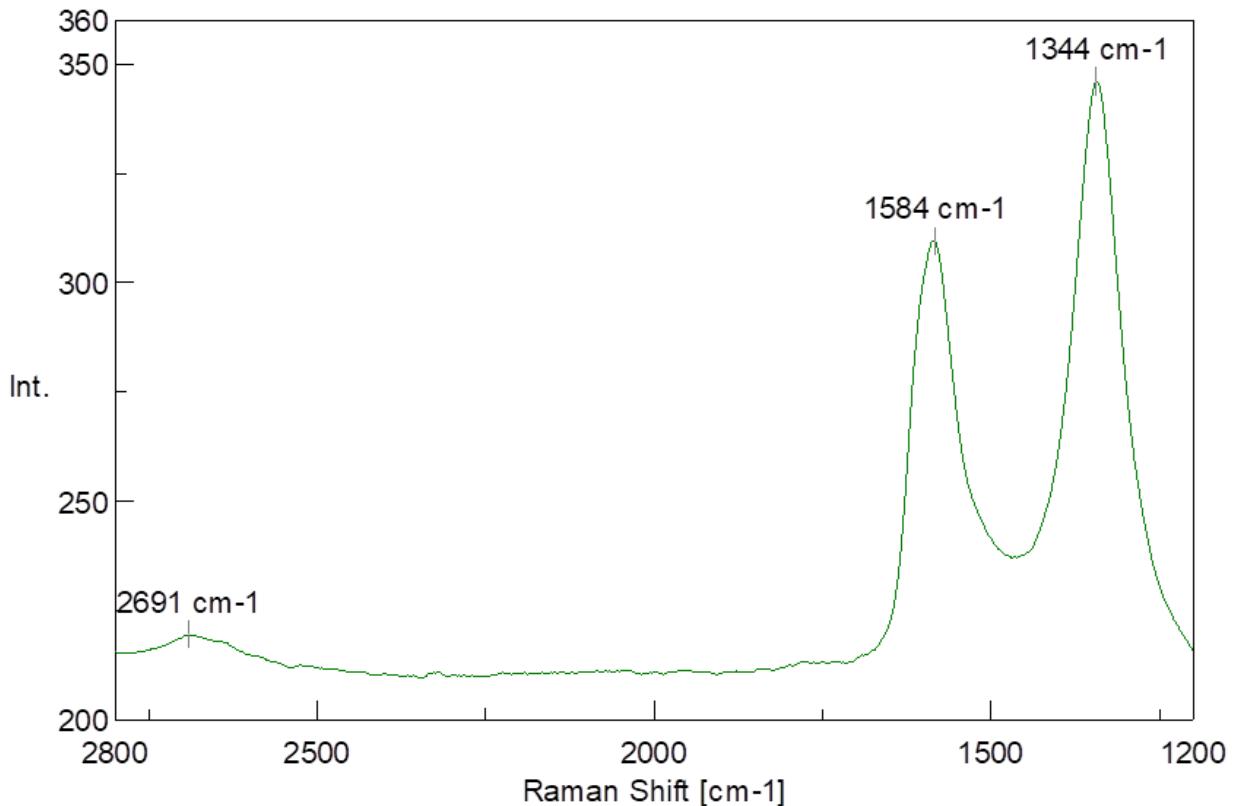
- PFIZER 1 (RD1). BATCH EY3014. Sealed vial
- PFIZER 2 (JOR). BATCH Nº FD8271. Sealed vial
- PFIZER 3 (ROS). BATCH Nº F69428. Sealed vial
- PFIZER 4 (ARM). BATCH Nº FE4721. Sealed vial
- ASTRAZENECA (AZ MIT). BATCH Nº ABW0411. Sealed vial
- MODERNA (MOD). BATCH Nº 3002183. Not sealed vial
- JANSSEN (JAN). BATCH Nº Non available. Not sealed.

OBJECTS TYPE 1:
GRAPHENE-LIKE LUMPS and CARBONACEOUS OBJECTS

PFIZER 3
2HY OBJ4

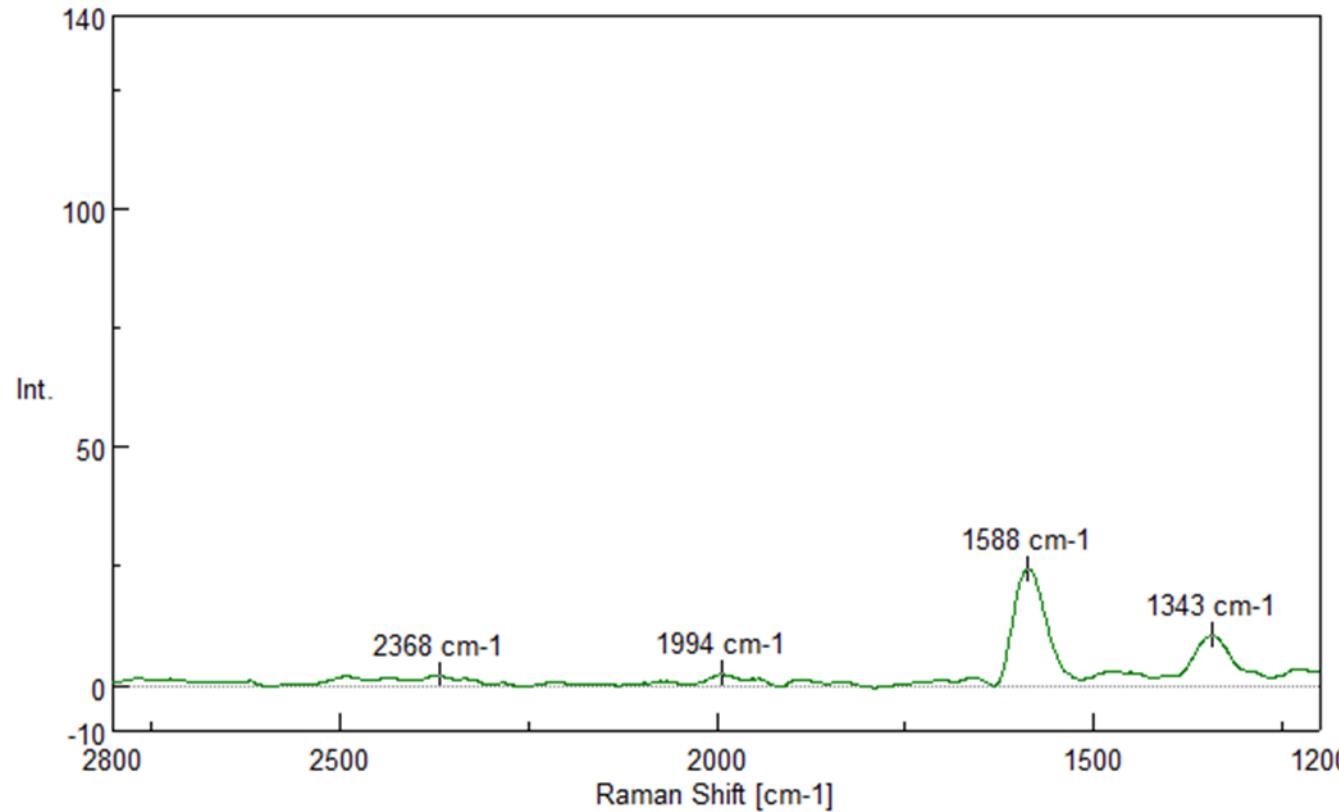


OBJECTS TYPE 1:
GRAPHENE-LIKE LUMPS and CARBONACEOUS OBJECTS
PFIZER 2
JOR UP GO2



OBJECTS TYPE 1:
GRAPHENE-LIKE LUMPS and CARBONACEOUS OBJECTS

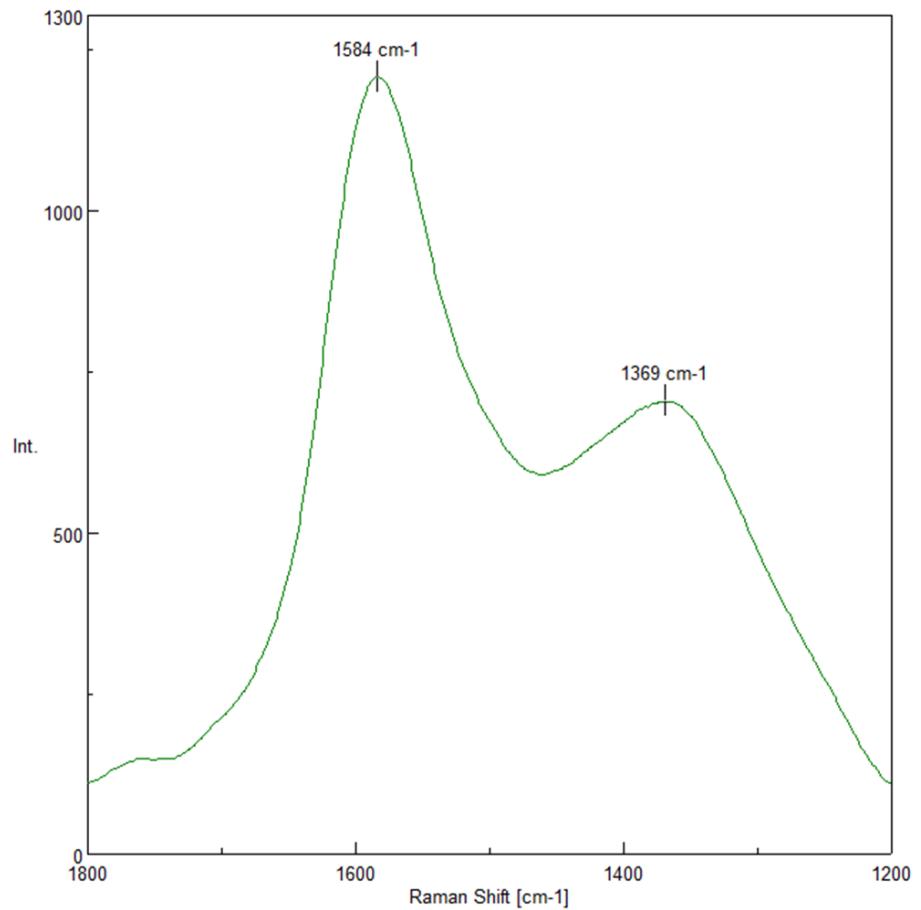
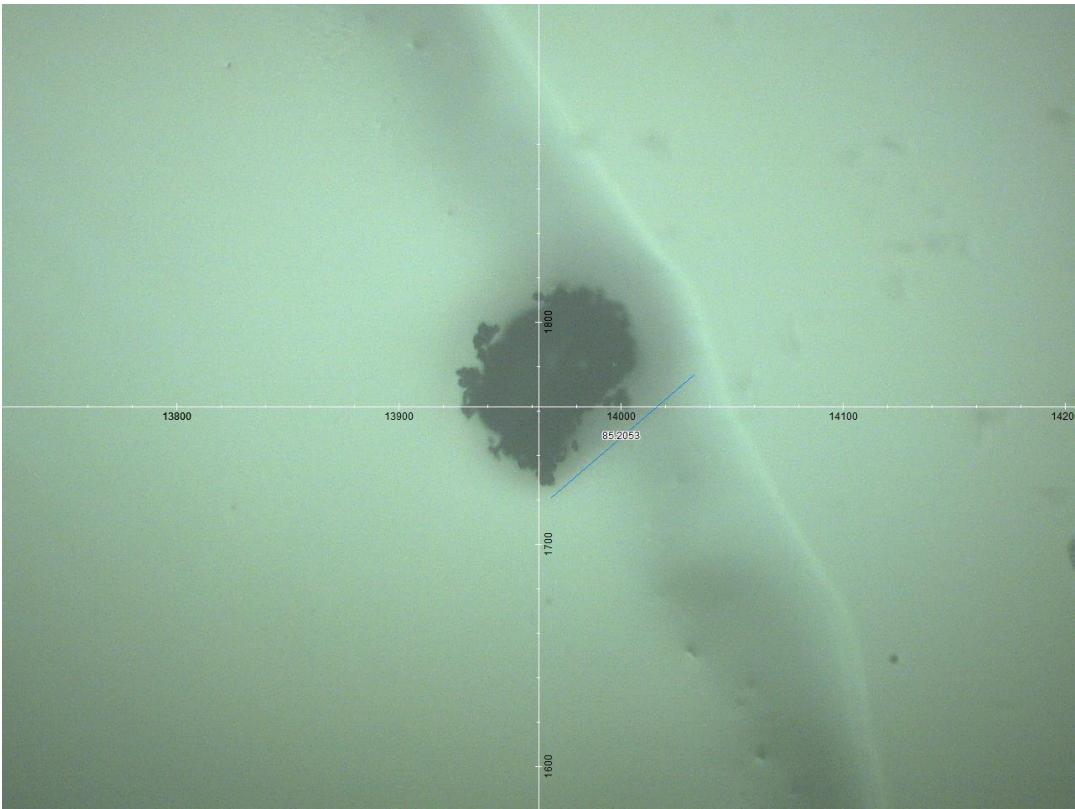
PFIZER 2
JOR UP GO7



OBJECTS TYPE 1:

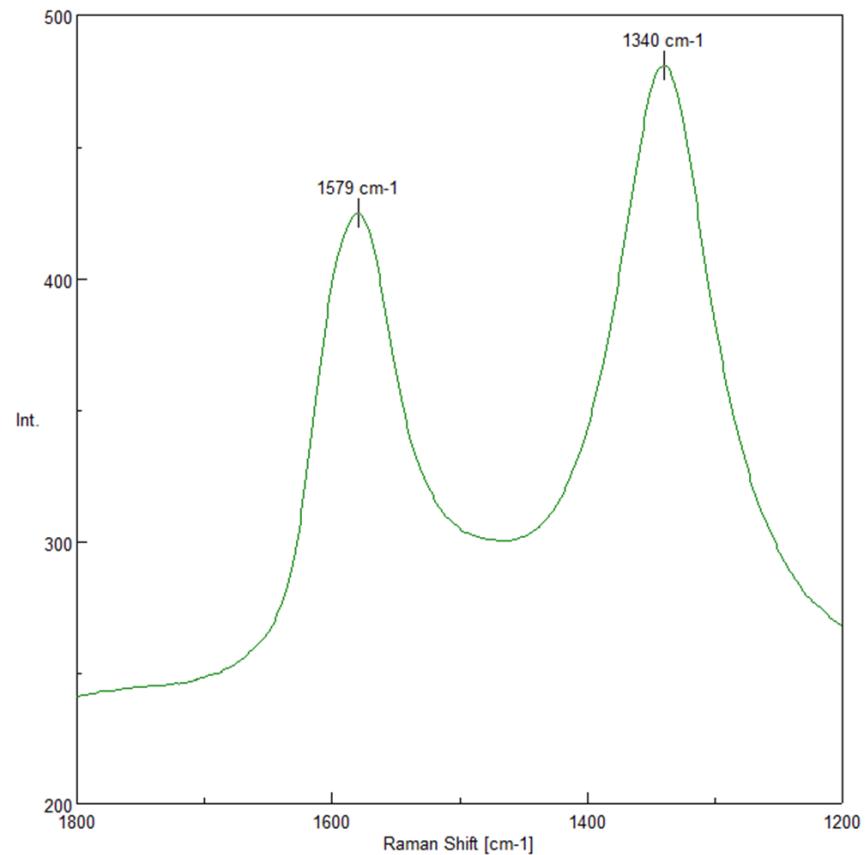
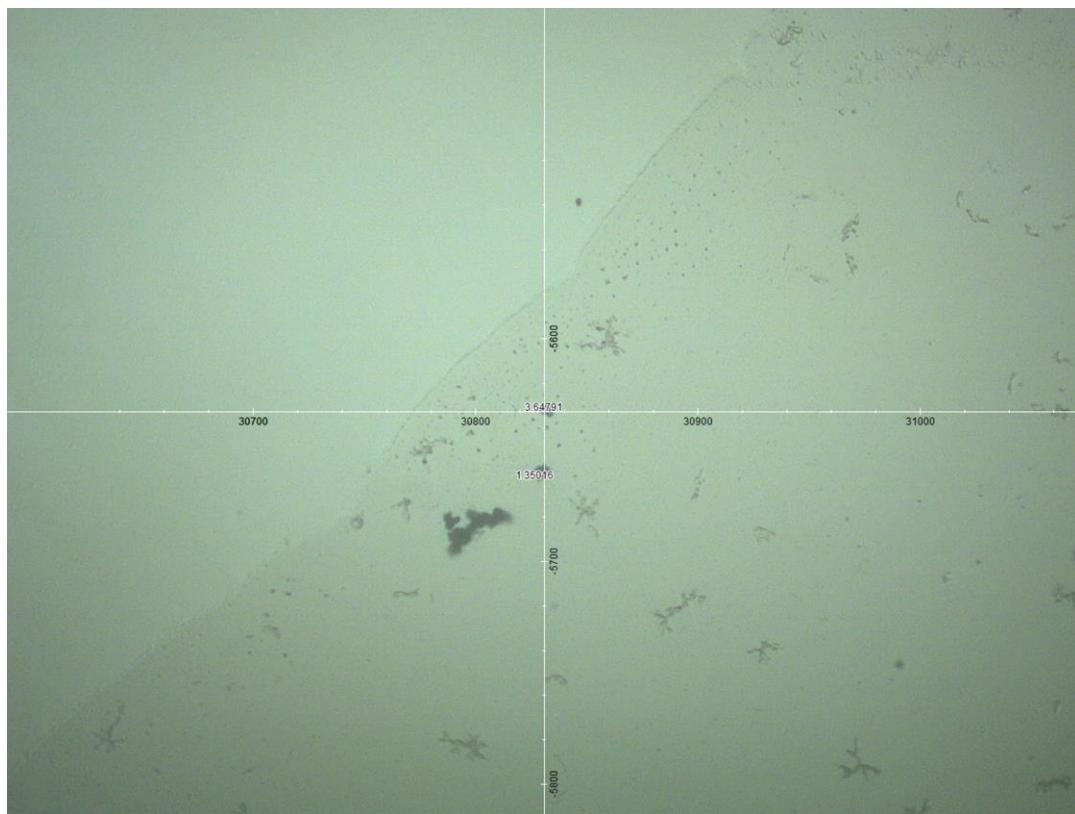
GRAPHENE-LIKE LUMPS and CARBONACEOUS OBJECTS

PFIZER 2
Pdown gru2



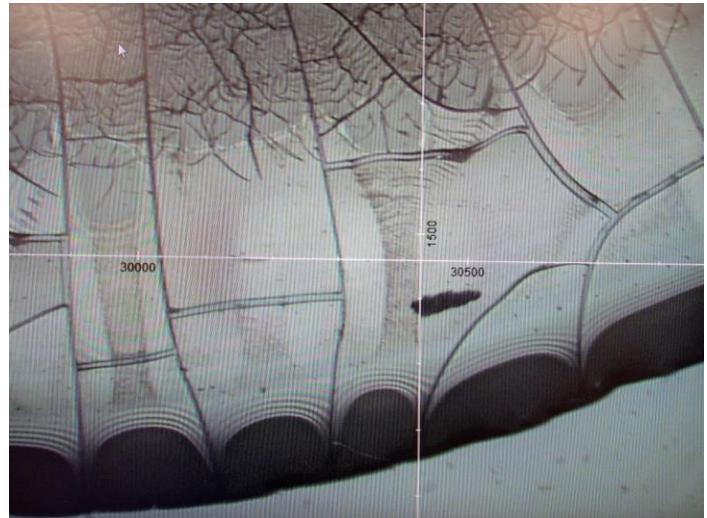
OBJECTS TYPE 1: GRAPHENE-LIKE LUMPS and CARBONACEOUS OBJECTS

**ASTRAZENECA
MIT UP CARB 4**

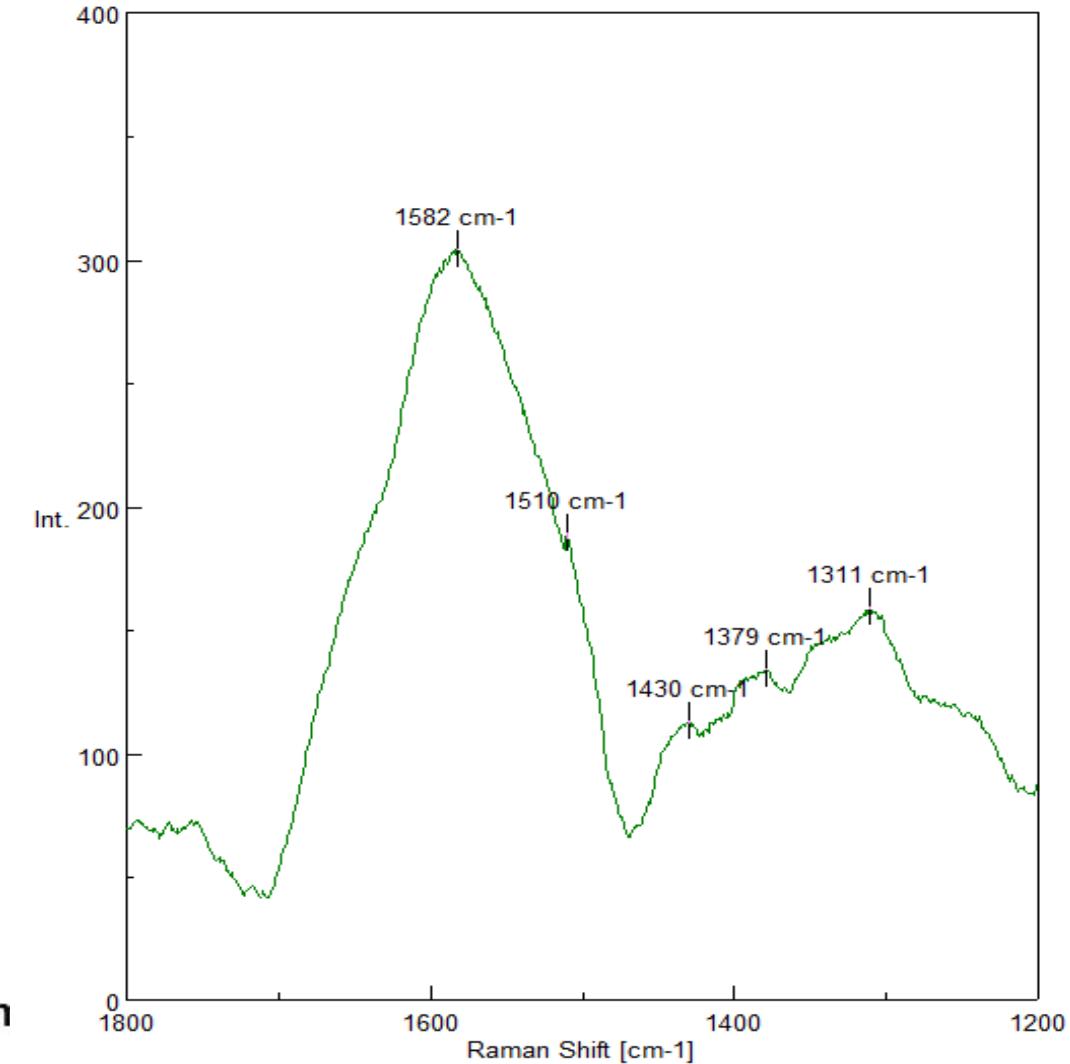


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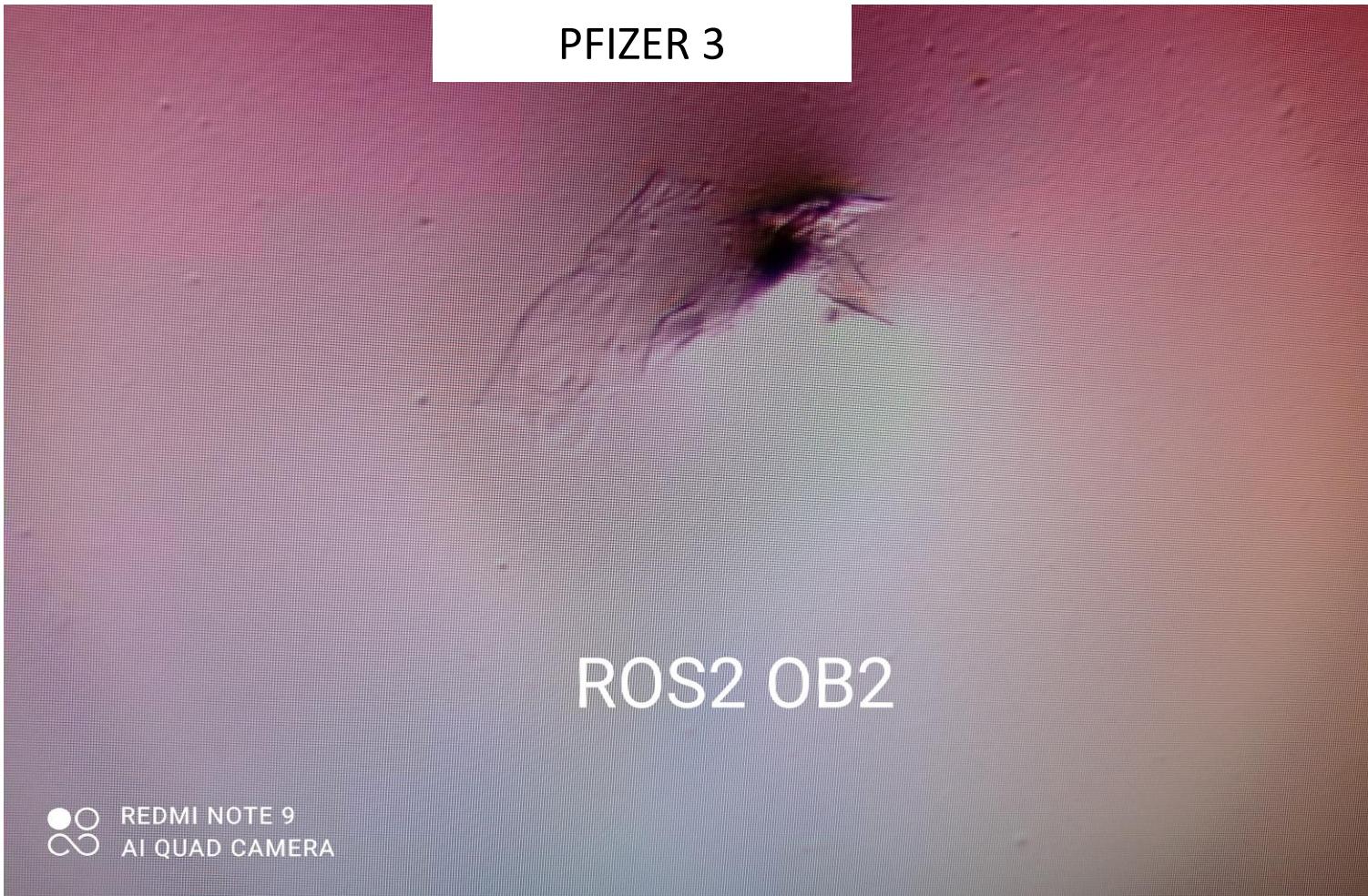
GRAPHENE-LIKE LUMPS and CARBONACEOUS OBJECTS



JANSSEN
JAN GO3

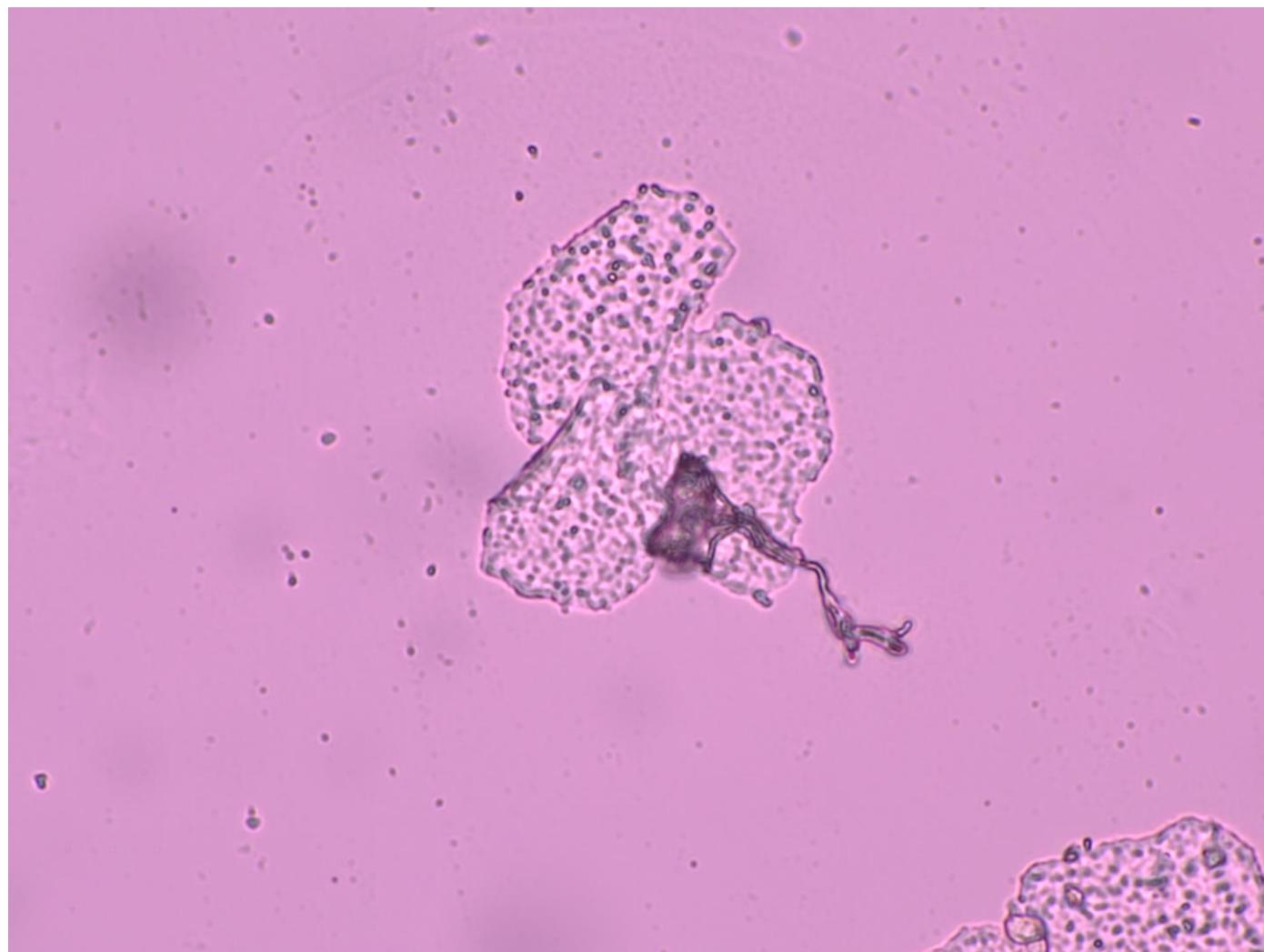


OBJECTS TYPE 2:
TRANSLUCID SHEETS



OBJECTS TYPE 2:

TRANSLUCID SHEETS
ASTRAZENECA



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OBJECTS TYPE 2:

TRANSLUCID SHEETS
MODERNA

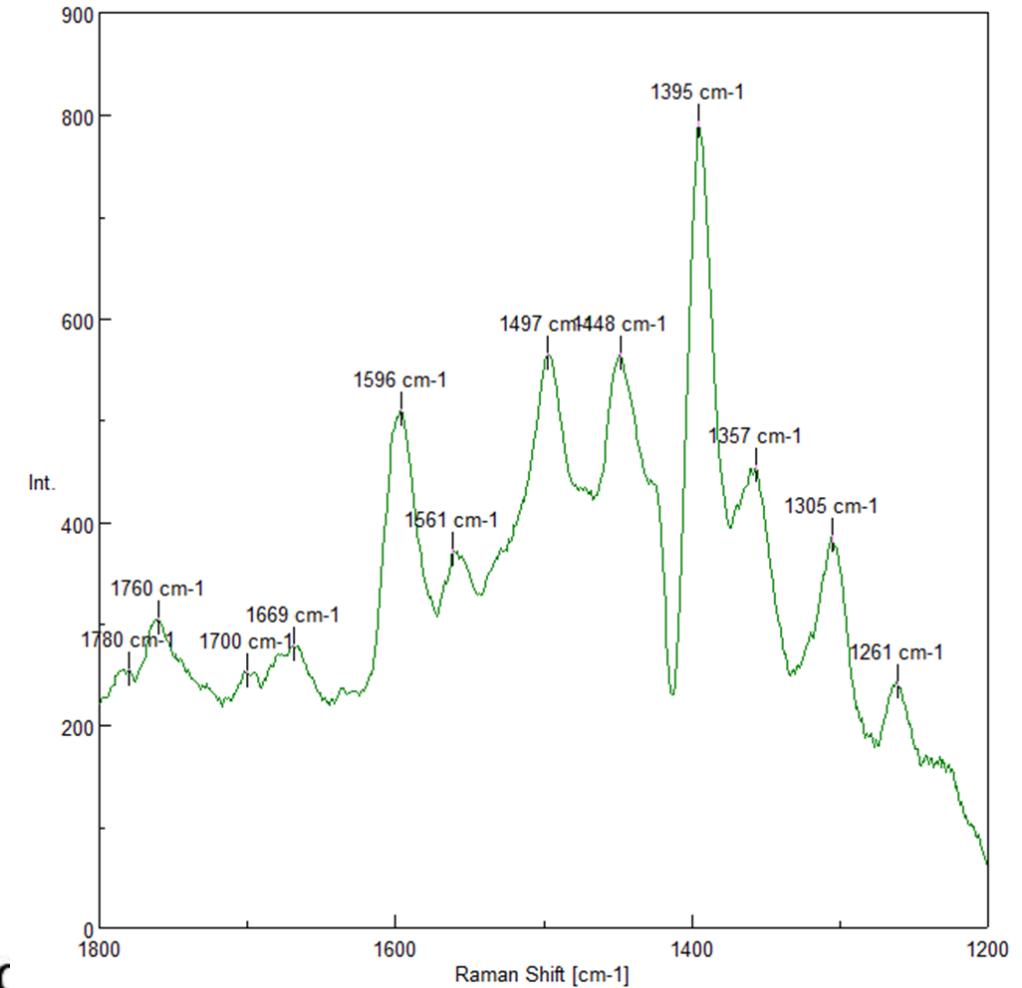
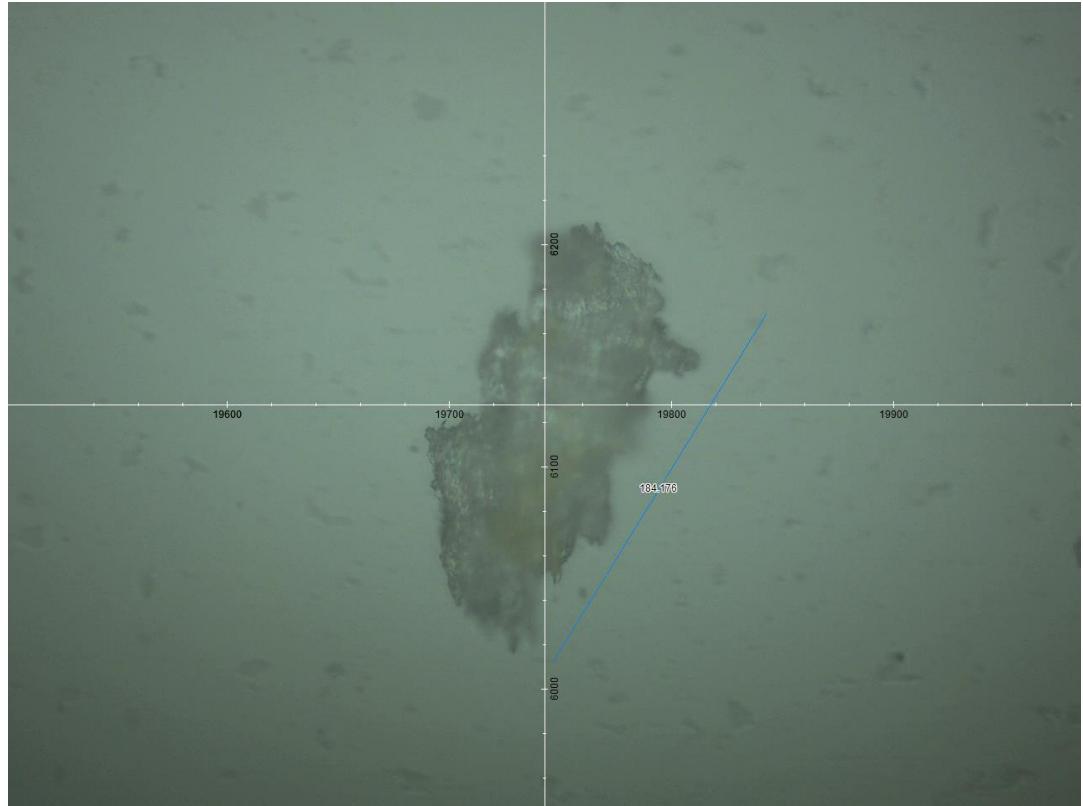


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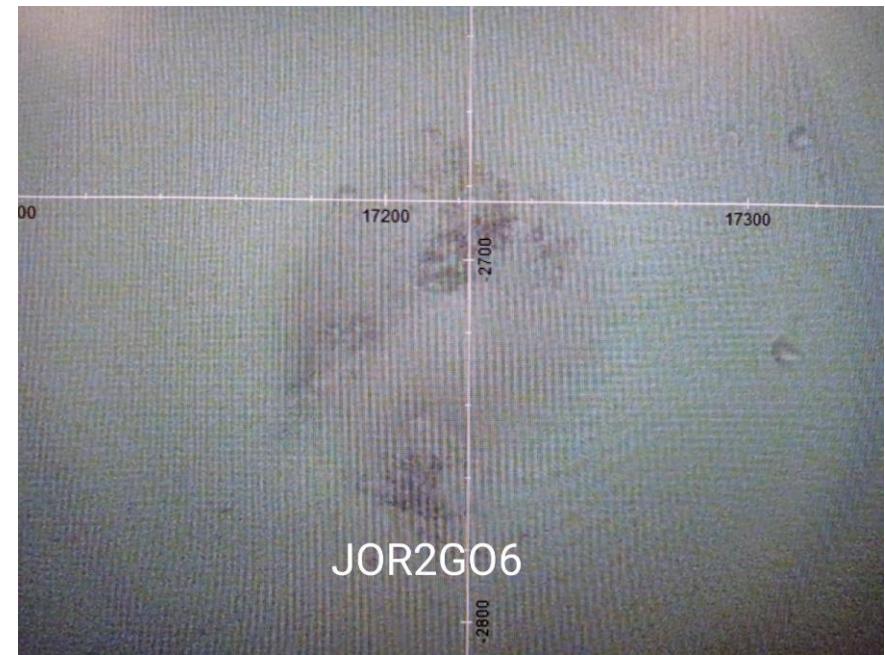
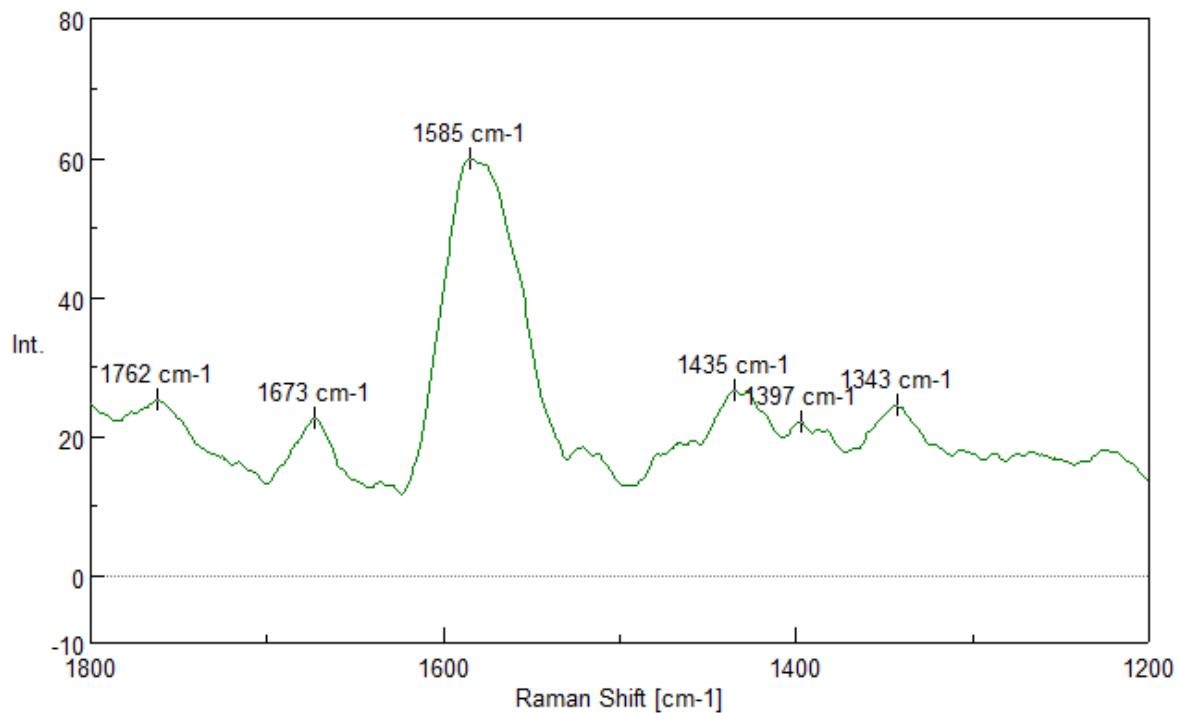
TRANSLUCID SHEETS

PFIKER 3
2 HY GO2

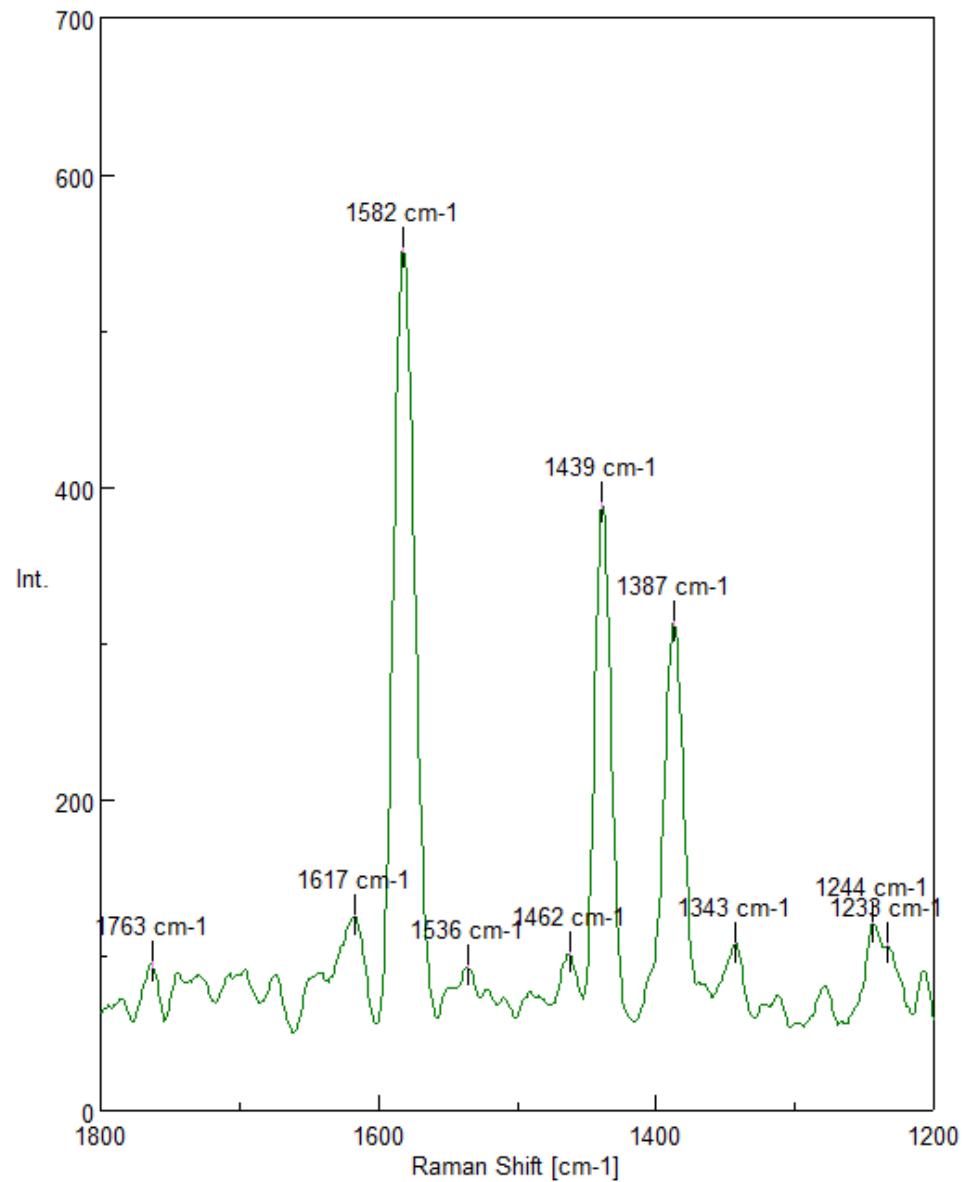
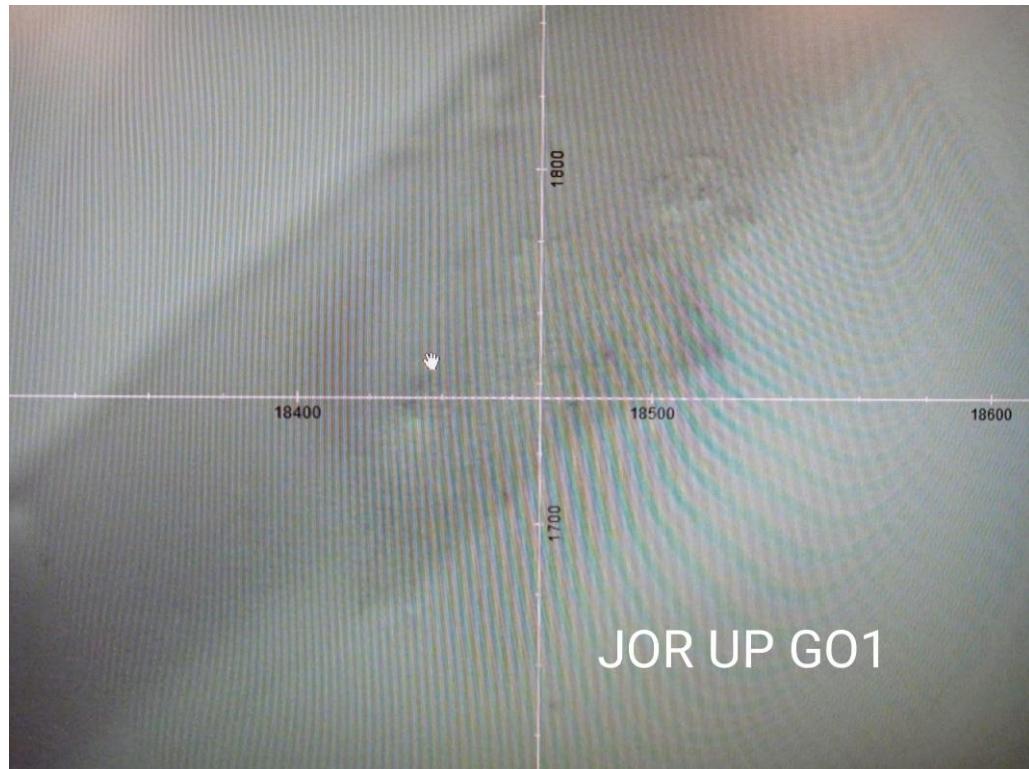


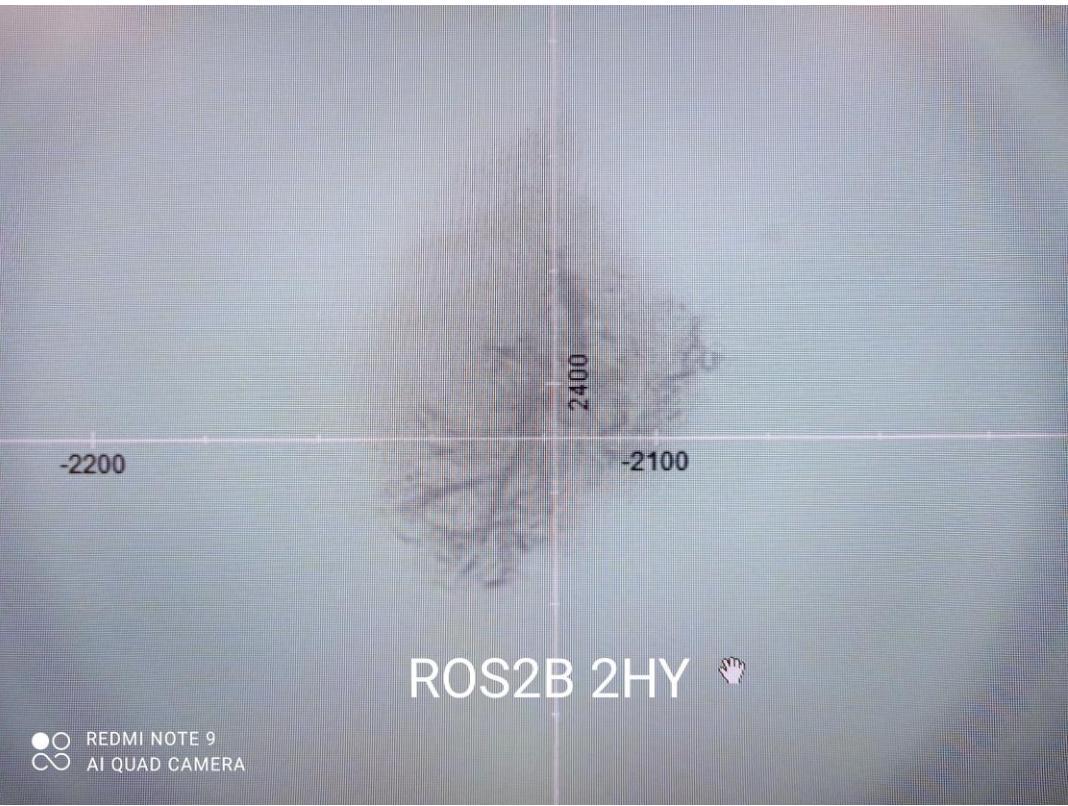
OBJECTS TYPE 2:
TRANSLUCID SHEETS

PFIZER 2
JOR G06

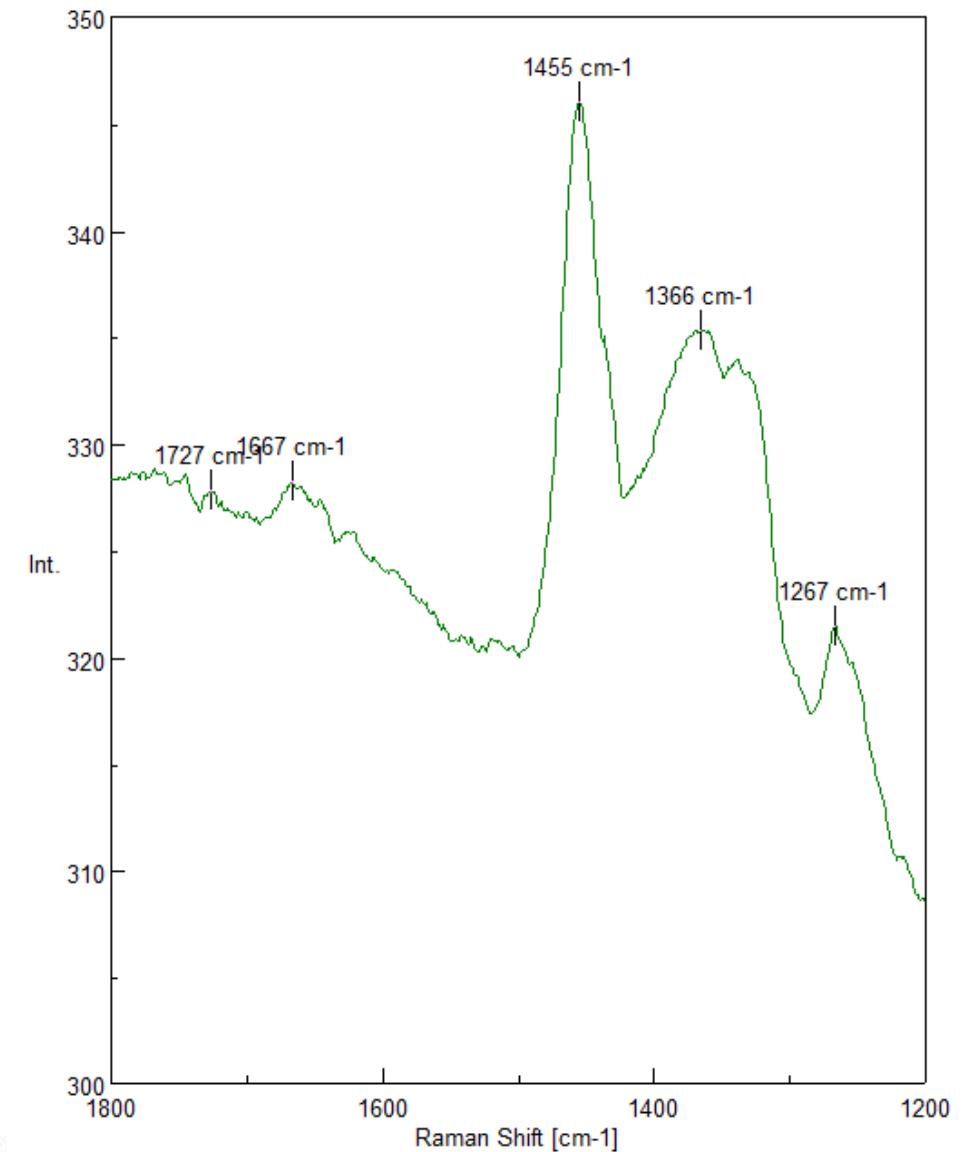


OBJECTS TYPE 2:
TRANSLUCID SHEETS
PFIZER 2
JOR UP G01





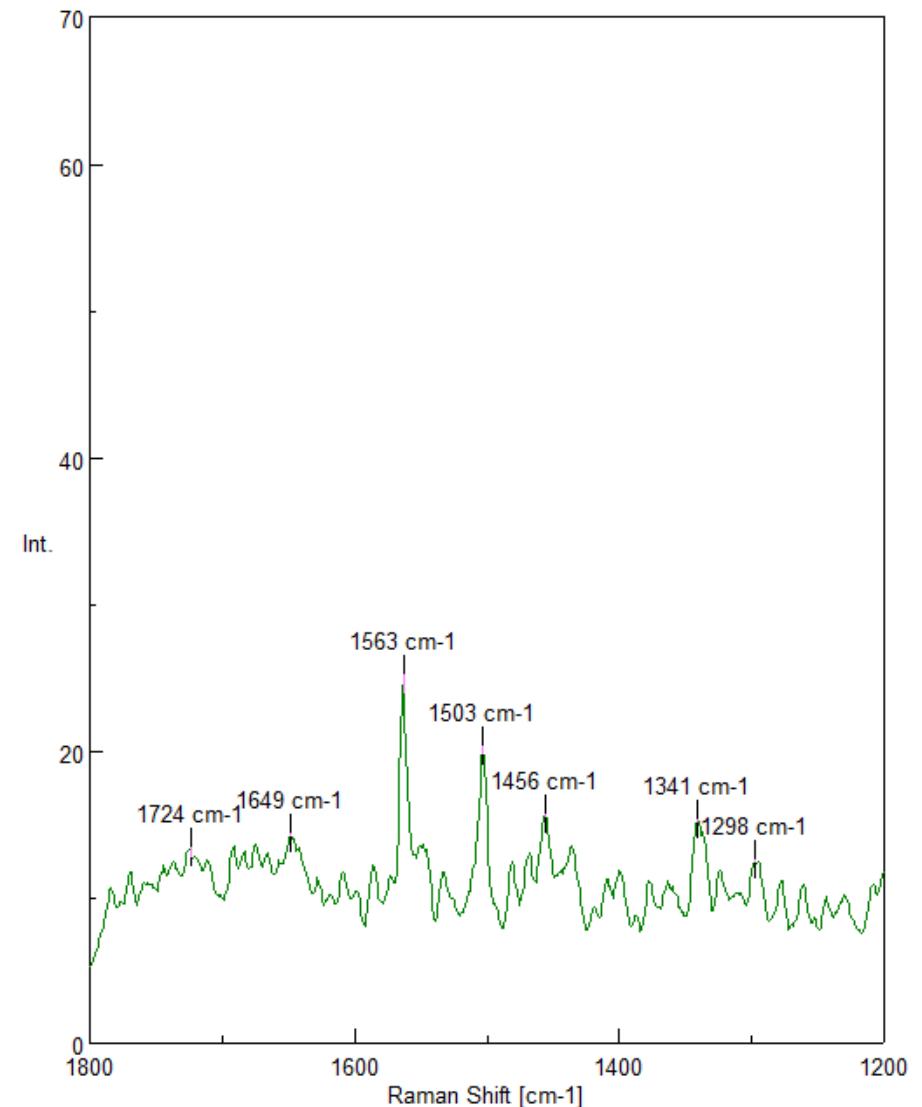
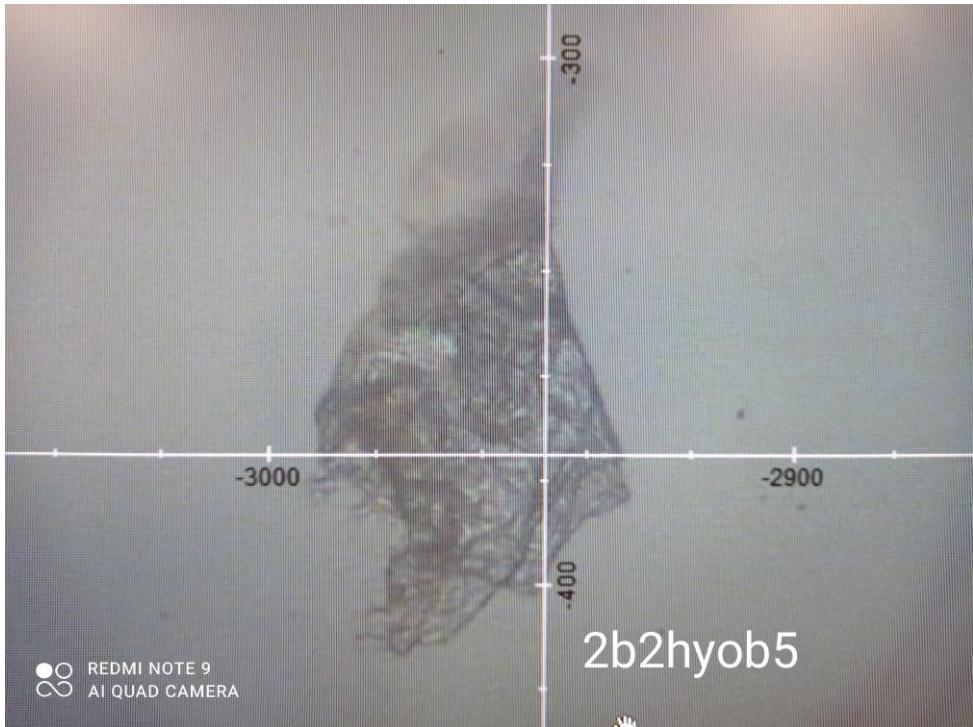
OBJECTS TYPE 2:
TRANSLUCID SHEETS
PFIZER 2
2b2hy obj 1



OBJECTS TYPE 2:

TRANSLUCID SHEETS

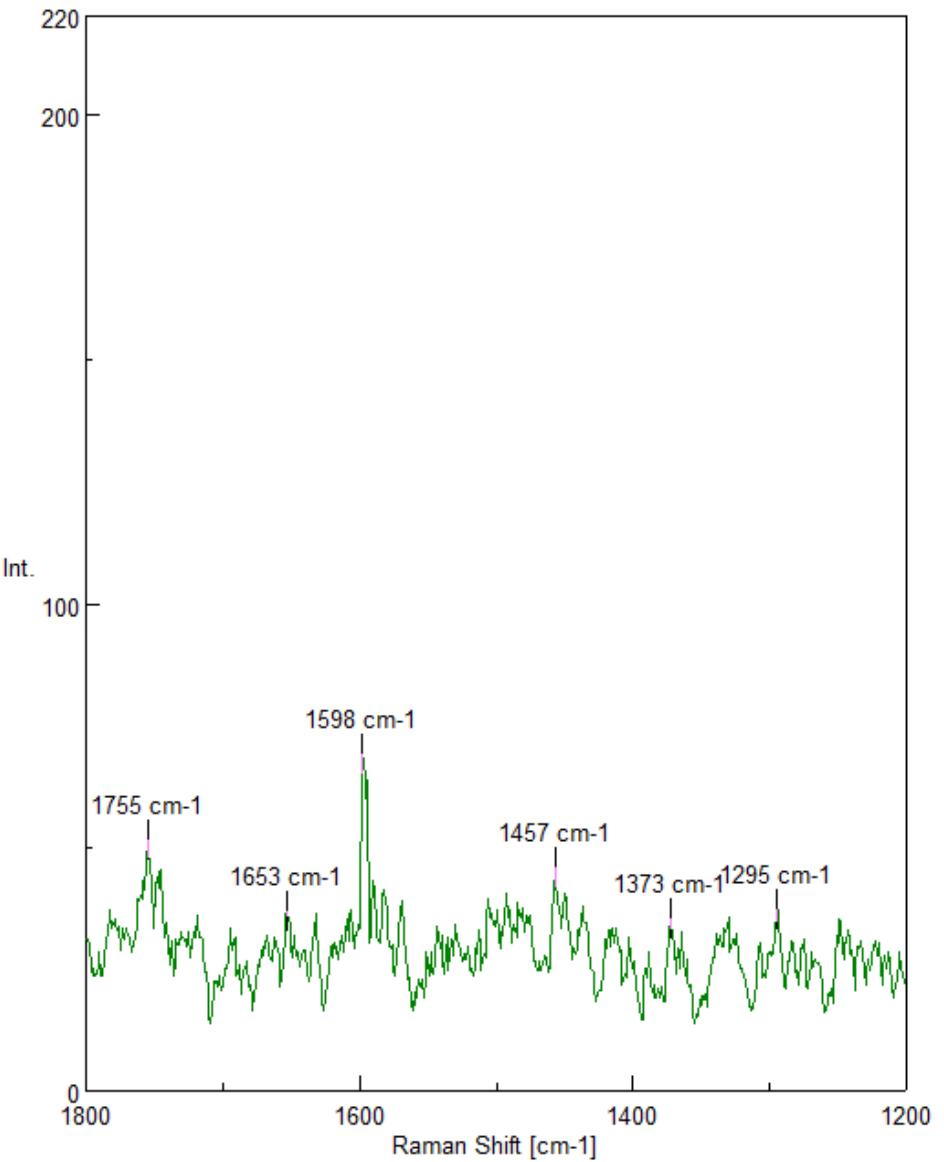
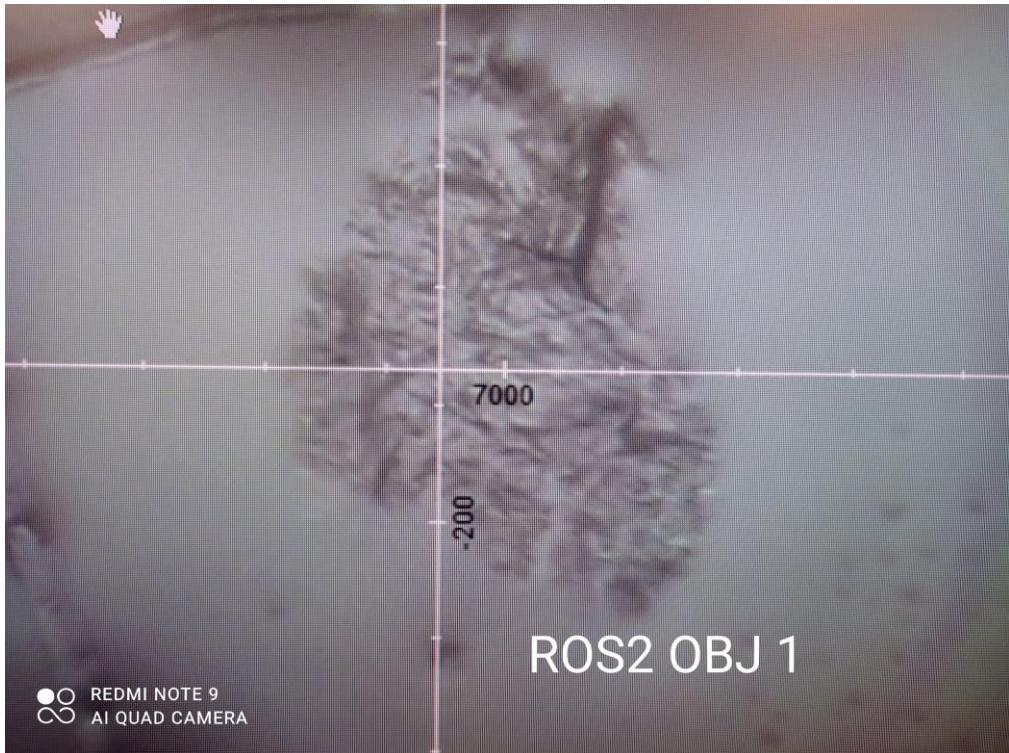
PFIZER 2
2b2hy obj 5



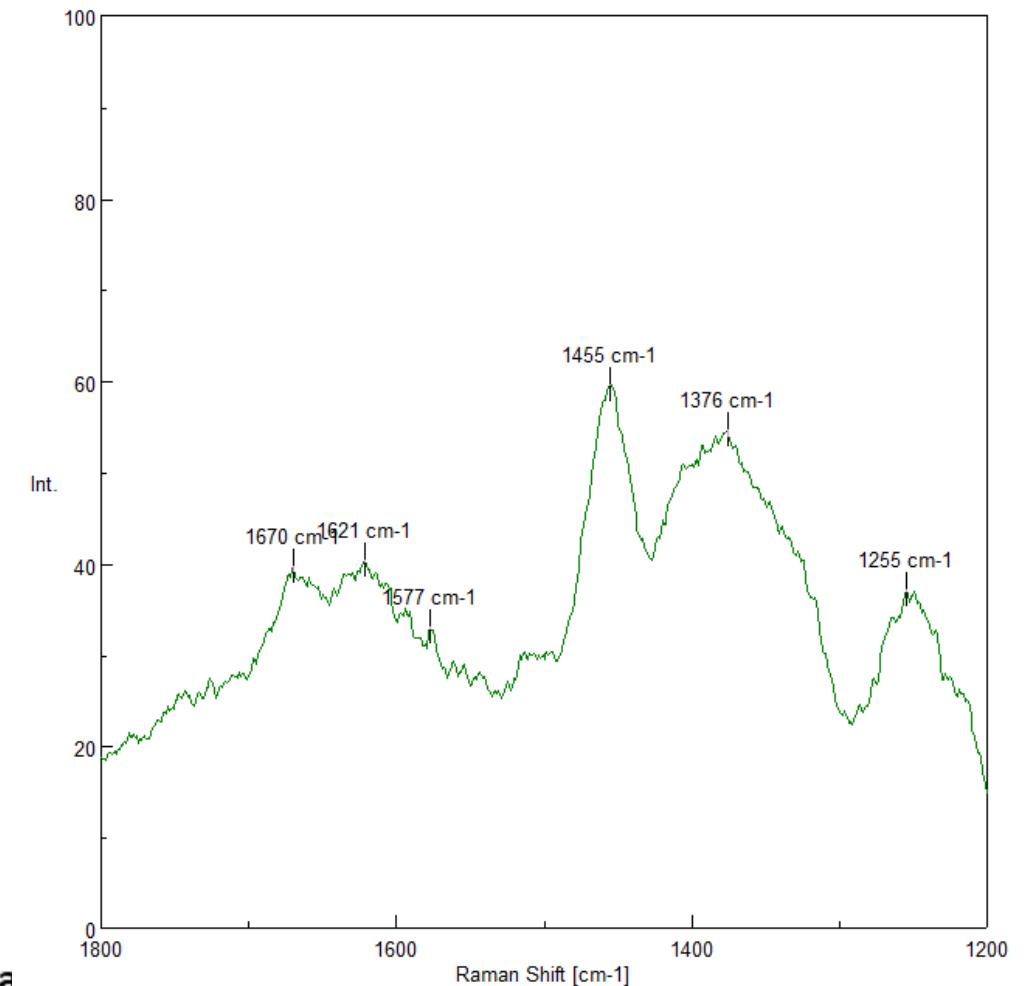
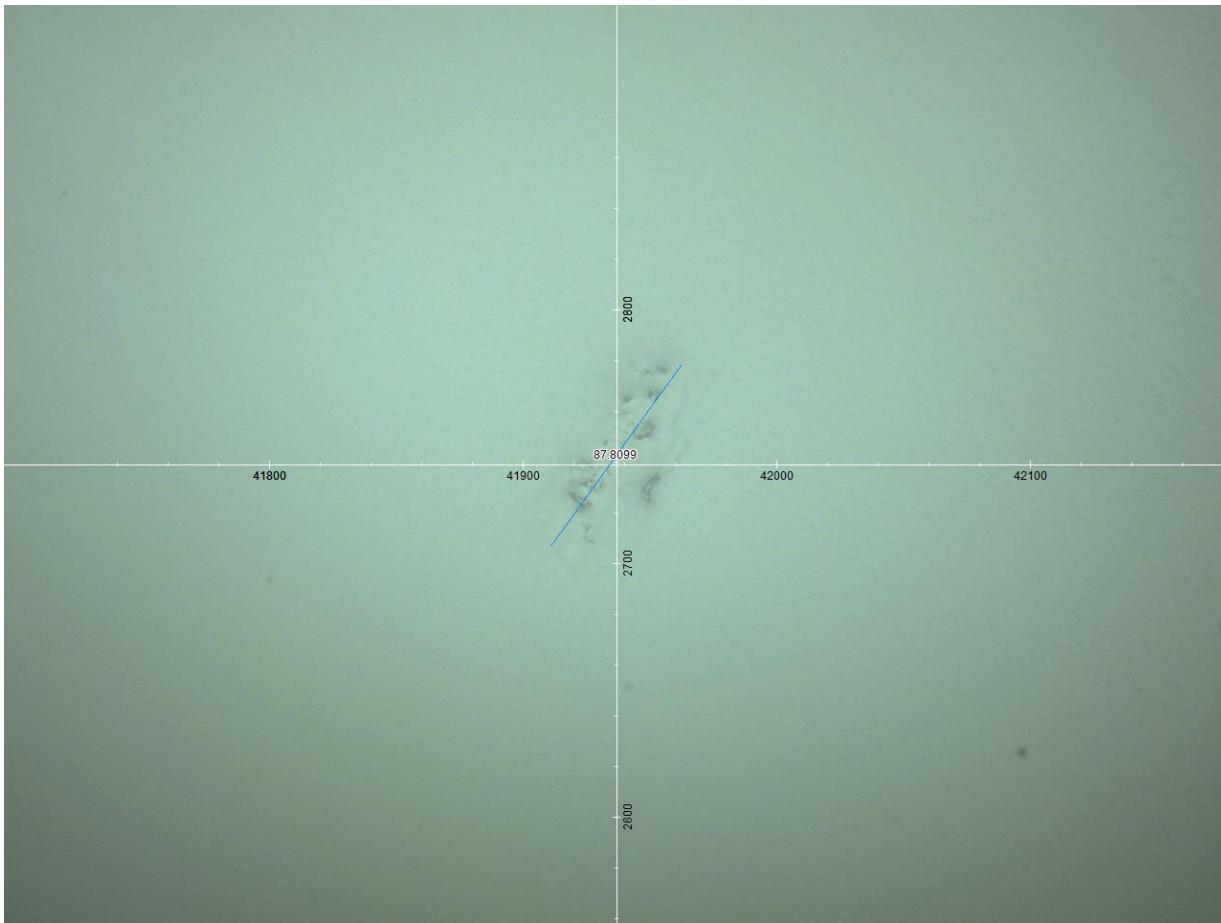
OBJECTS TYPE 2:

TRANSLUCID SHEETS

PFIZER 2
ROS 2 OBJ 1

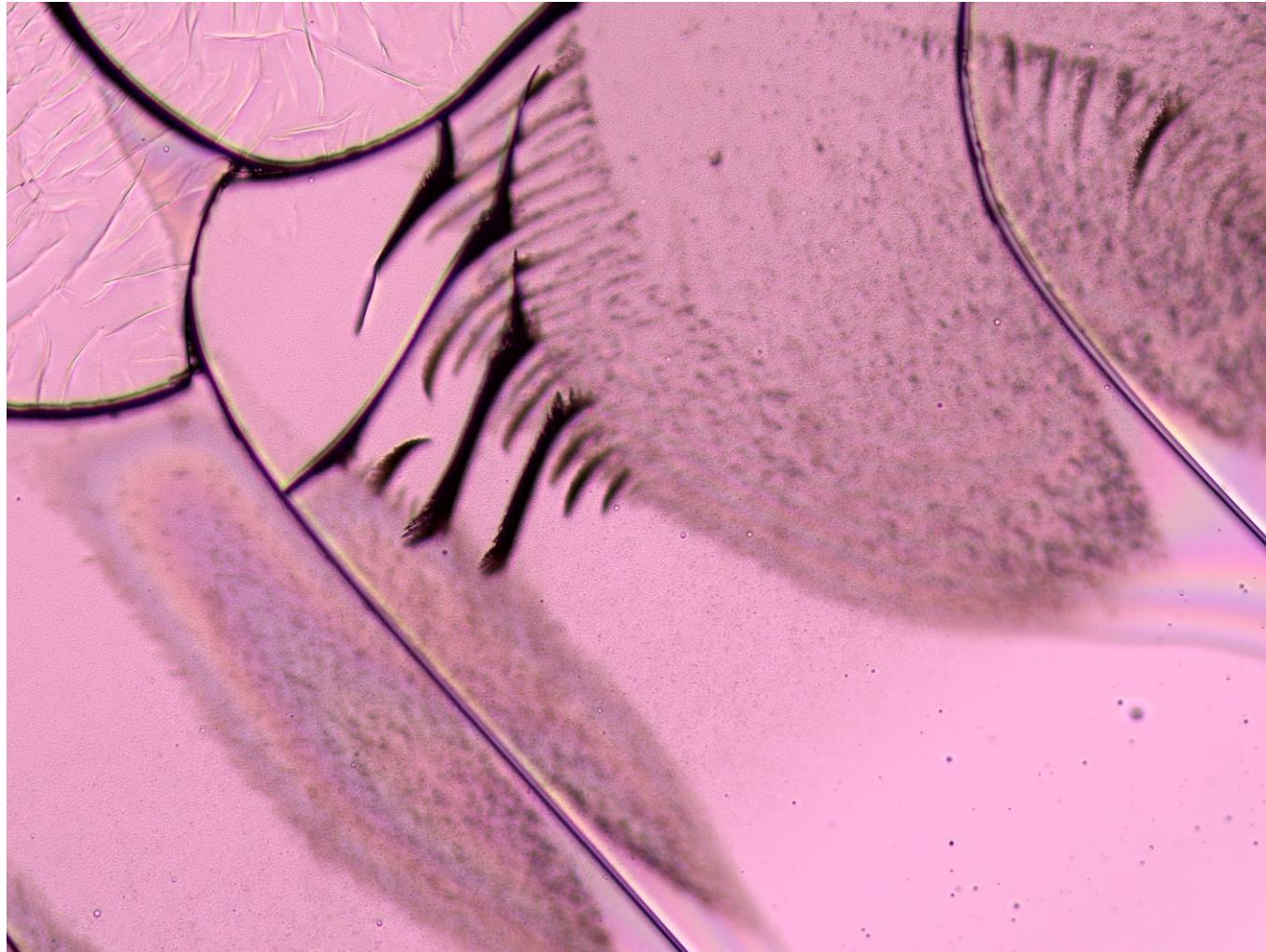


OBJECTS TYPE 2:
TRANSLUCID SHEETS
ASTRAZENECA
AZ GO 2



OBJECTS TYPE 3:

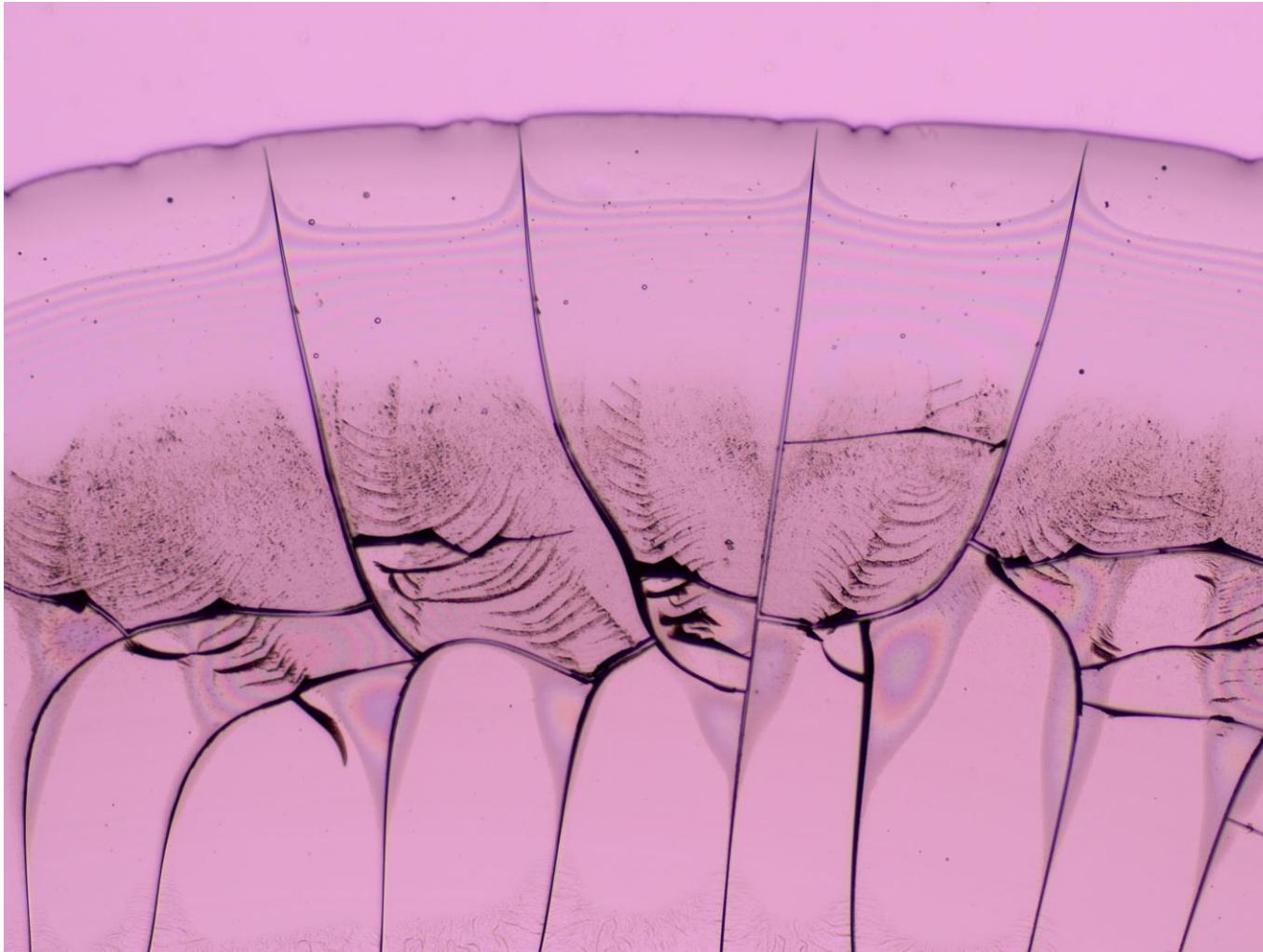
BLACK MUD (after drying)



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OBJECTS TYPE 3:

BLACK MUD (after drying)

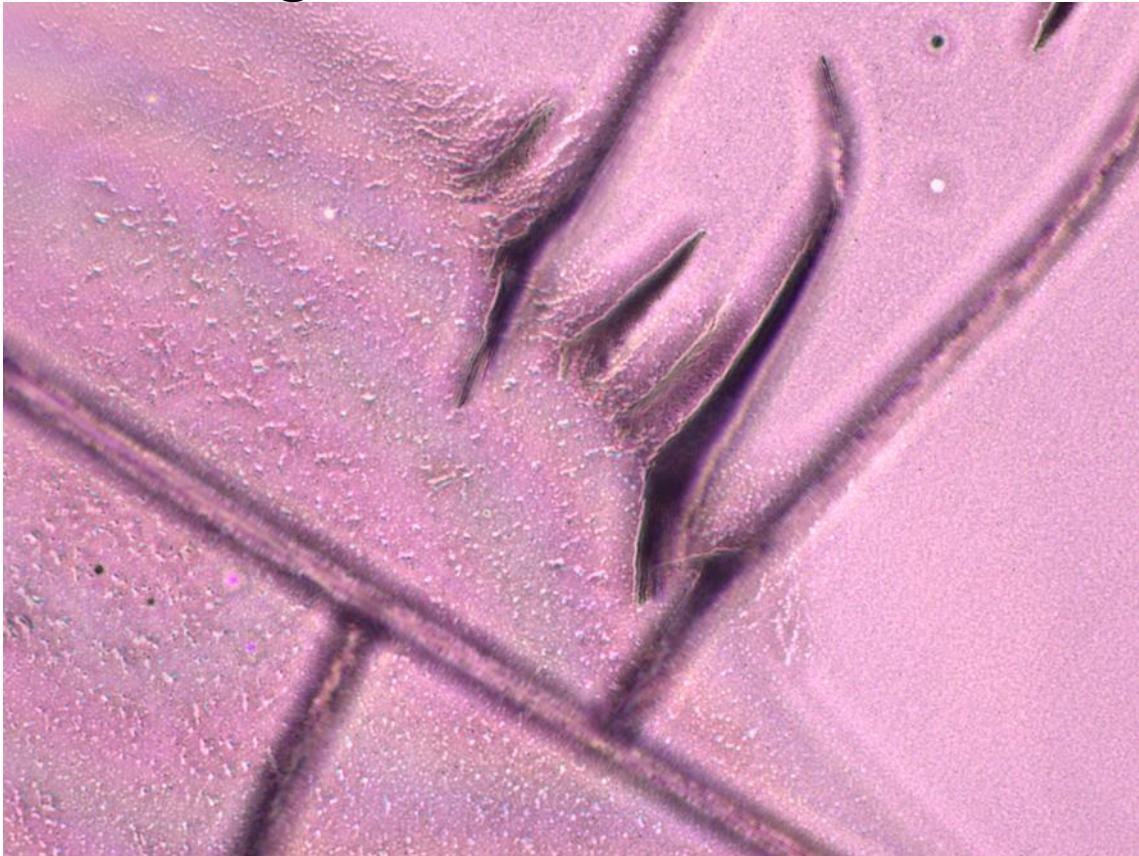


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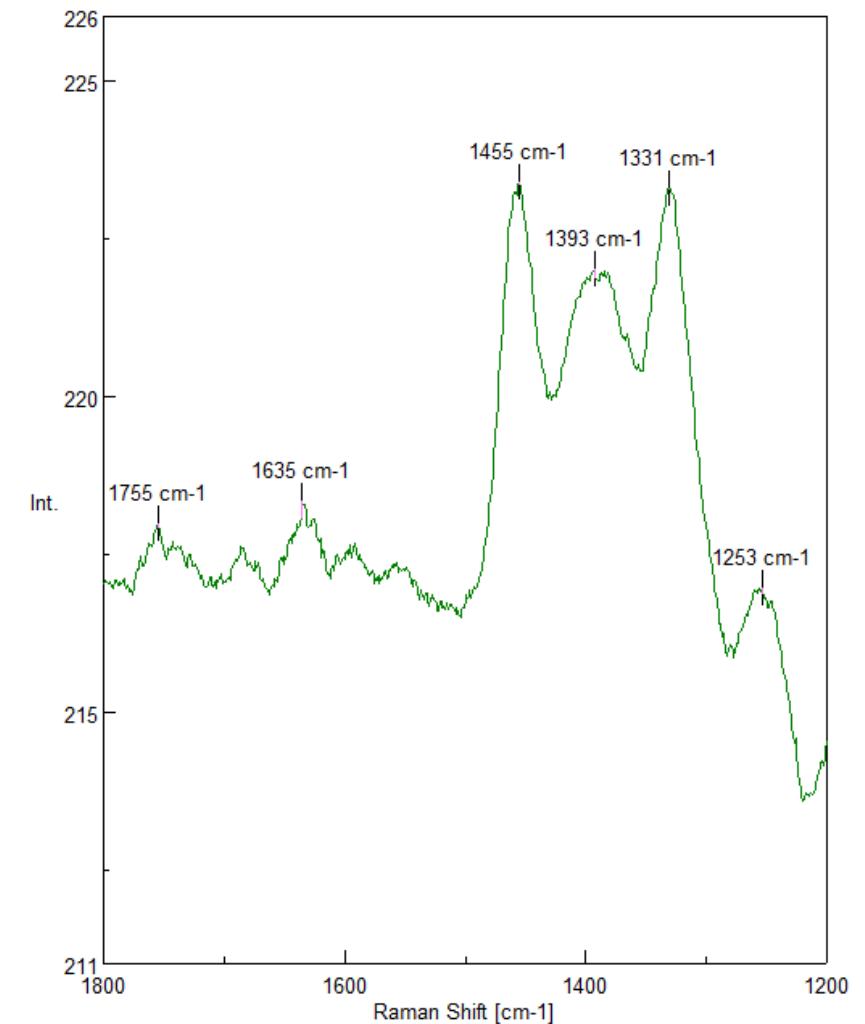
OBJECTS TYPE 3:

BLACK MUD (after drying)

- JAN fango1



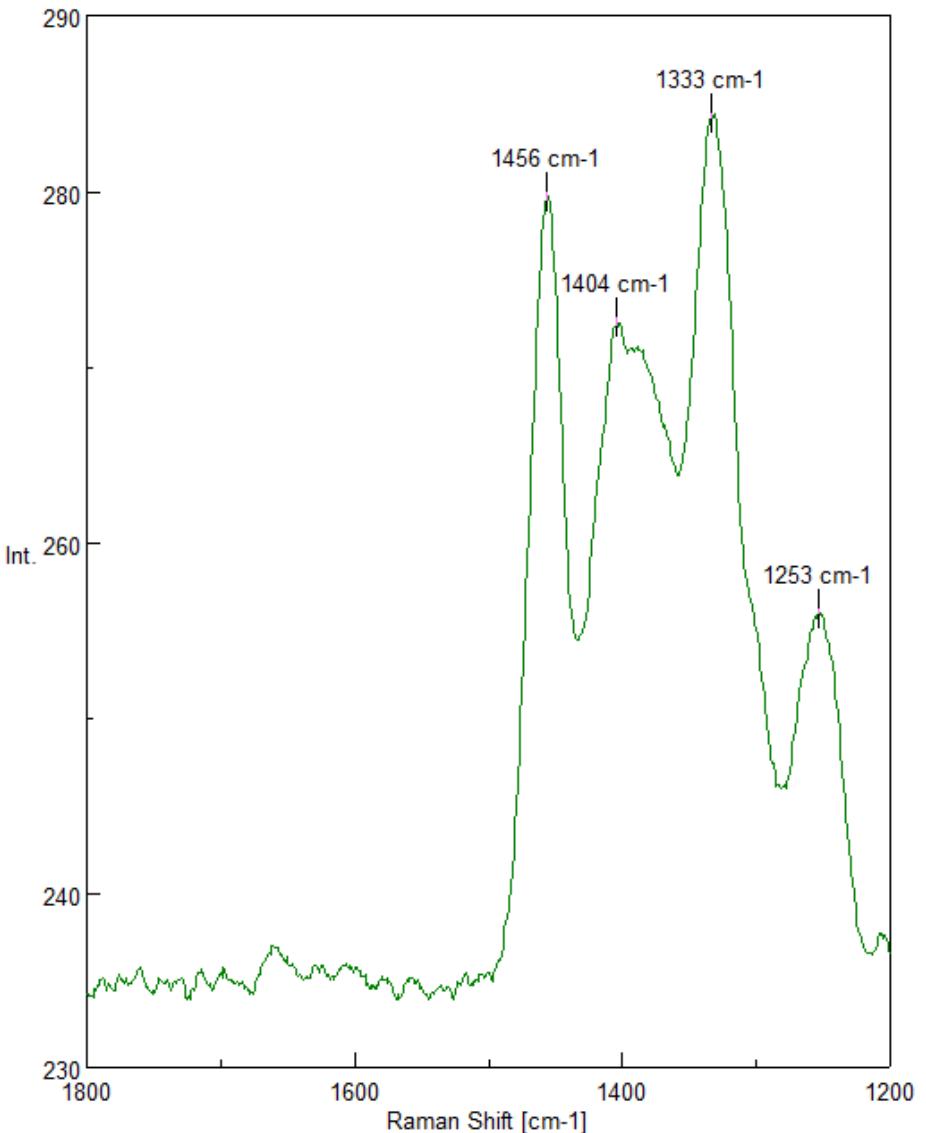
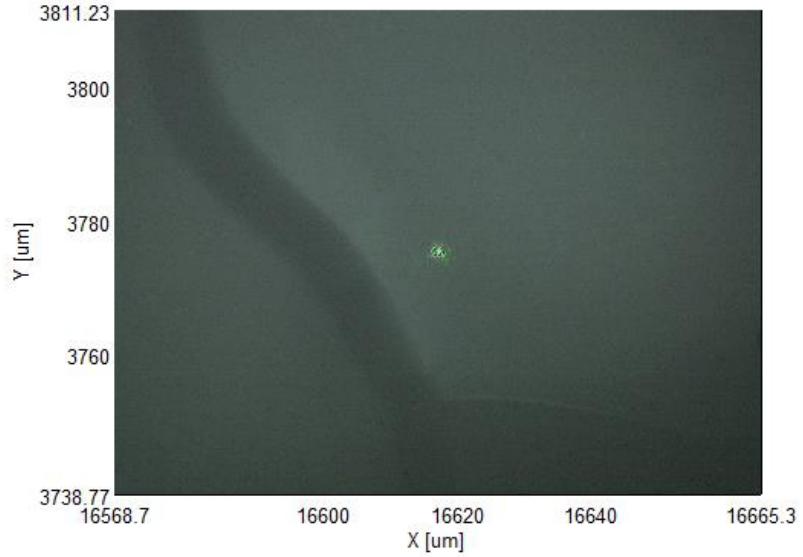
©2021 Dr. Pablo Campra



OBJECTS TYPE 3:

BLACK MUD (after drying)

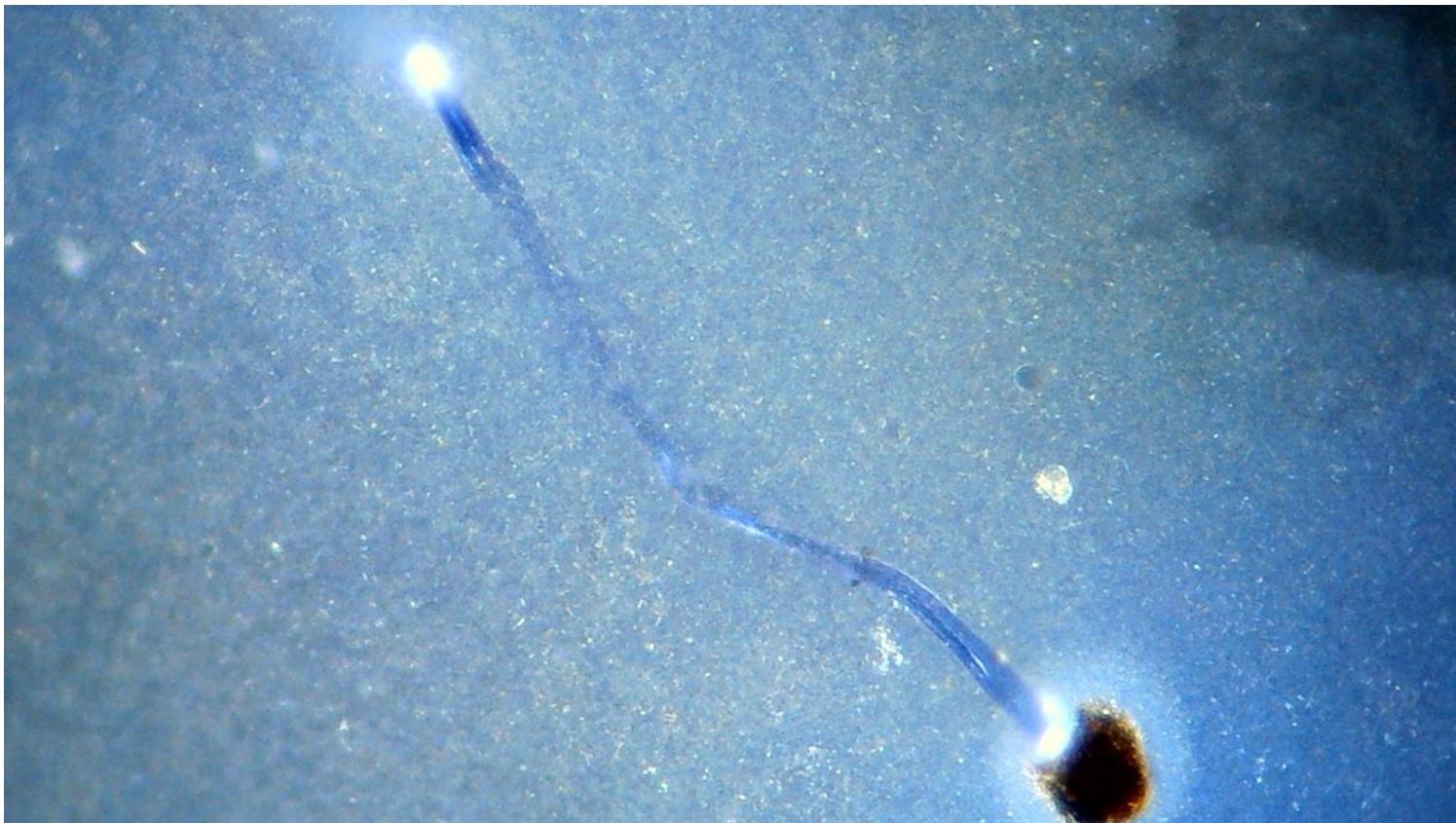
JANSSEN
JAN Spot 1



OBJECTS TYPE 4:

FIBERS AND BANDS

PFIZER2 JOR band



OBJECTS TYPE 4:

FIBERS AND BANDS



PFIZER2 JOR band

OBJECTS TYPE 4:

FIBERS AND BANDS

PFIZER2 JOR band

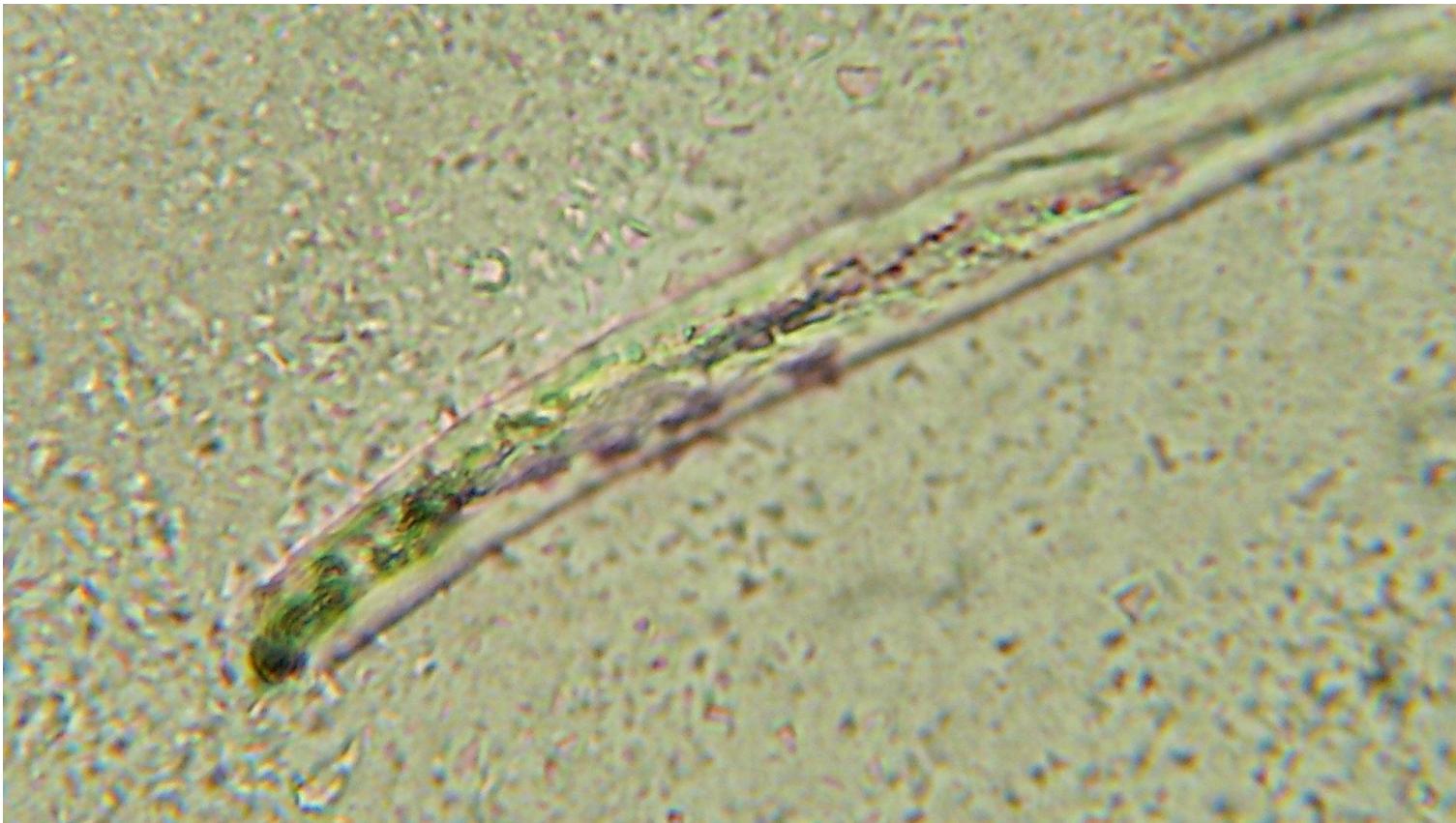


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OBJECTS TYPE 4:

FIBERS AND BANDS

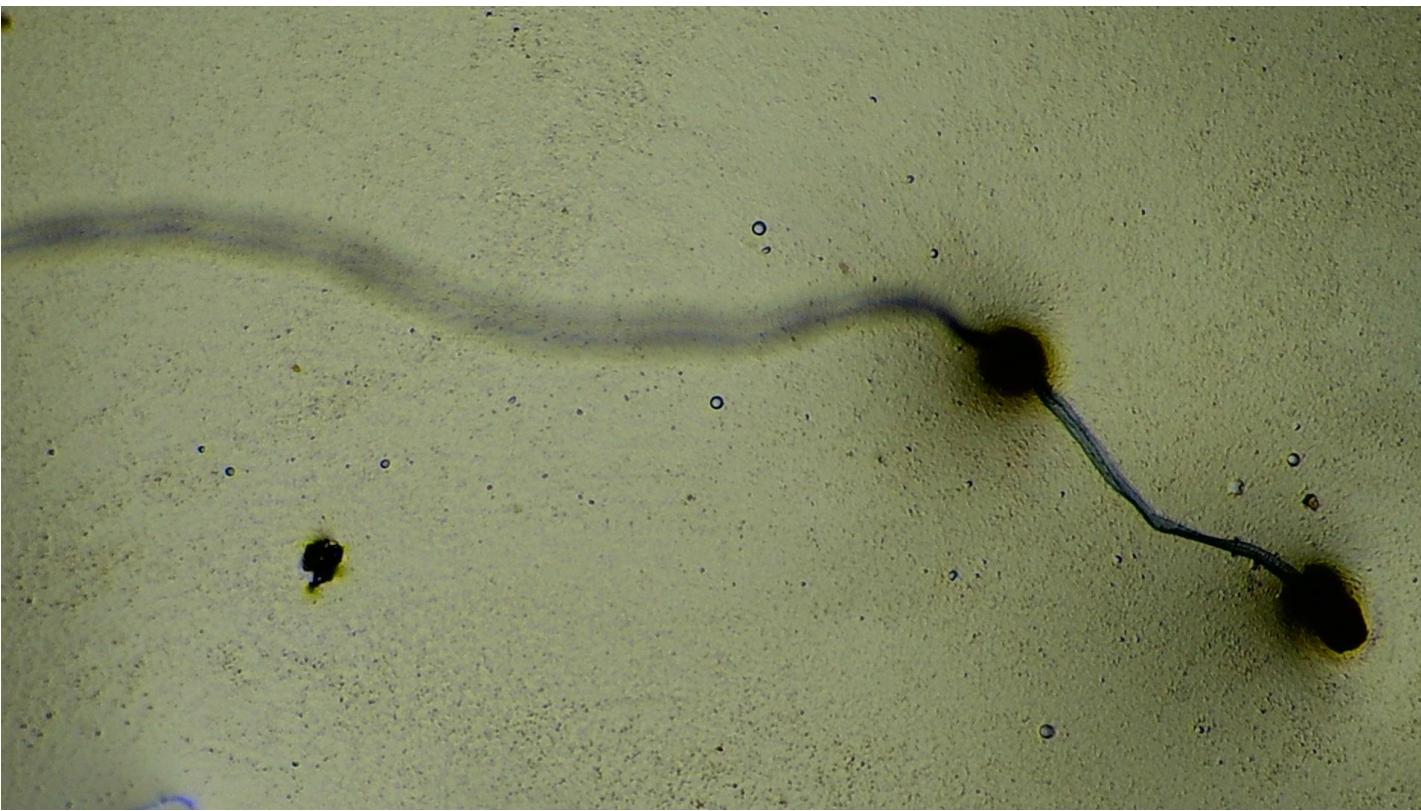
PFIZER2 JOR band



OBJECTS TYPE 4:

FIBERS AND BANDS

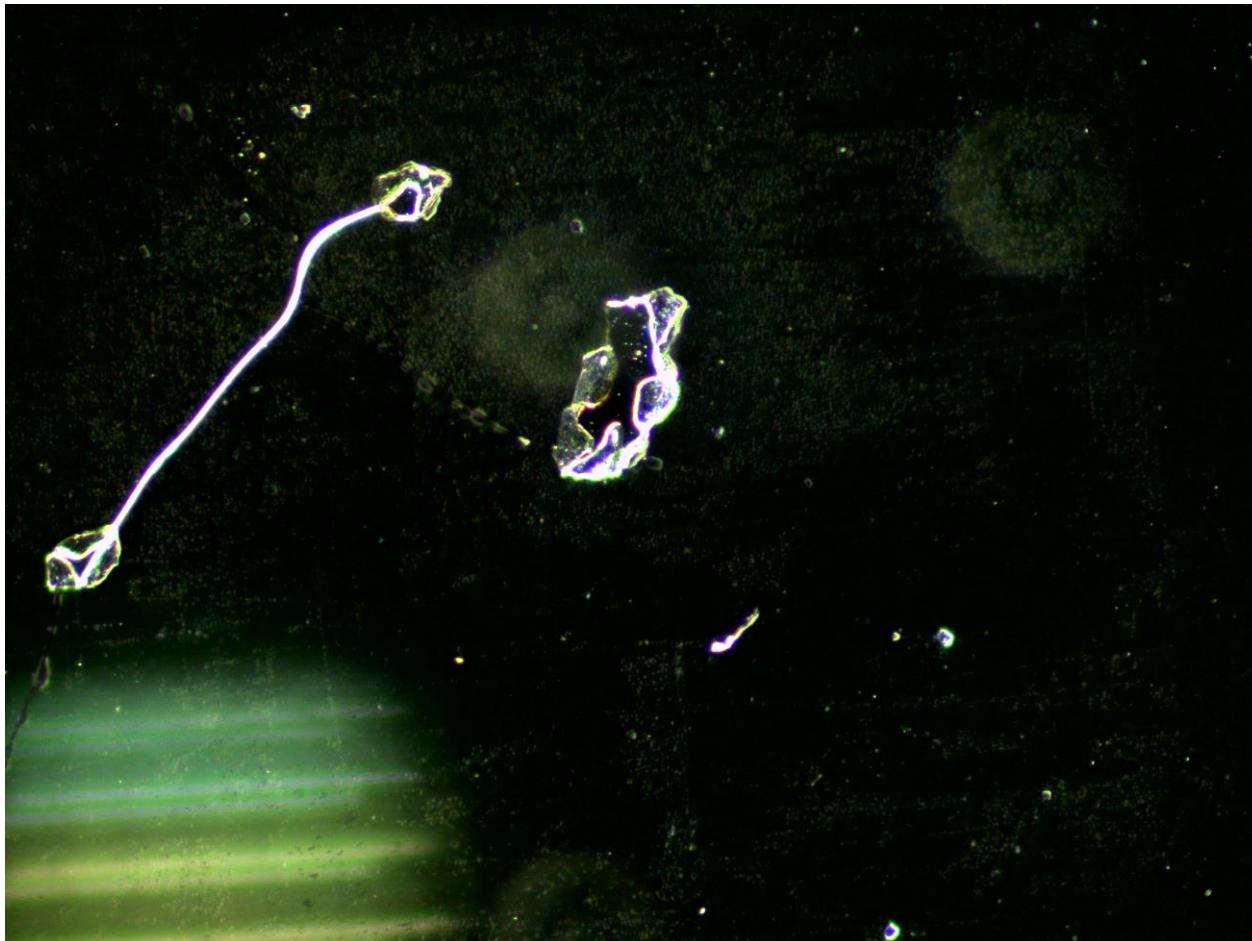
PFIZER2 JOR band



OBJECTS TYPE 4:

FIBERS AND BANDS

PFIZER2 JOR band



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OBJECTS TYPE 4:

FIBERS AND BANDS

PFIZER2 JOR band



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OBJECTS TYPE 4:

FIBERS AND BANDS



OBJECTS TYPE 4:

FIBERS AND BANDS

ASTRAZENECA



OBJECTS TYPE 4:

FIBERS AND BANDS

MODERNA



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OBJECTS TYPE 4:

FIBERS AND BANDS

MODERNA



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OBJECTS TYPE 4:

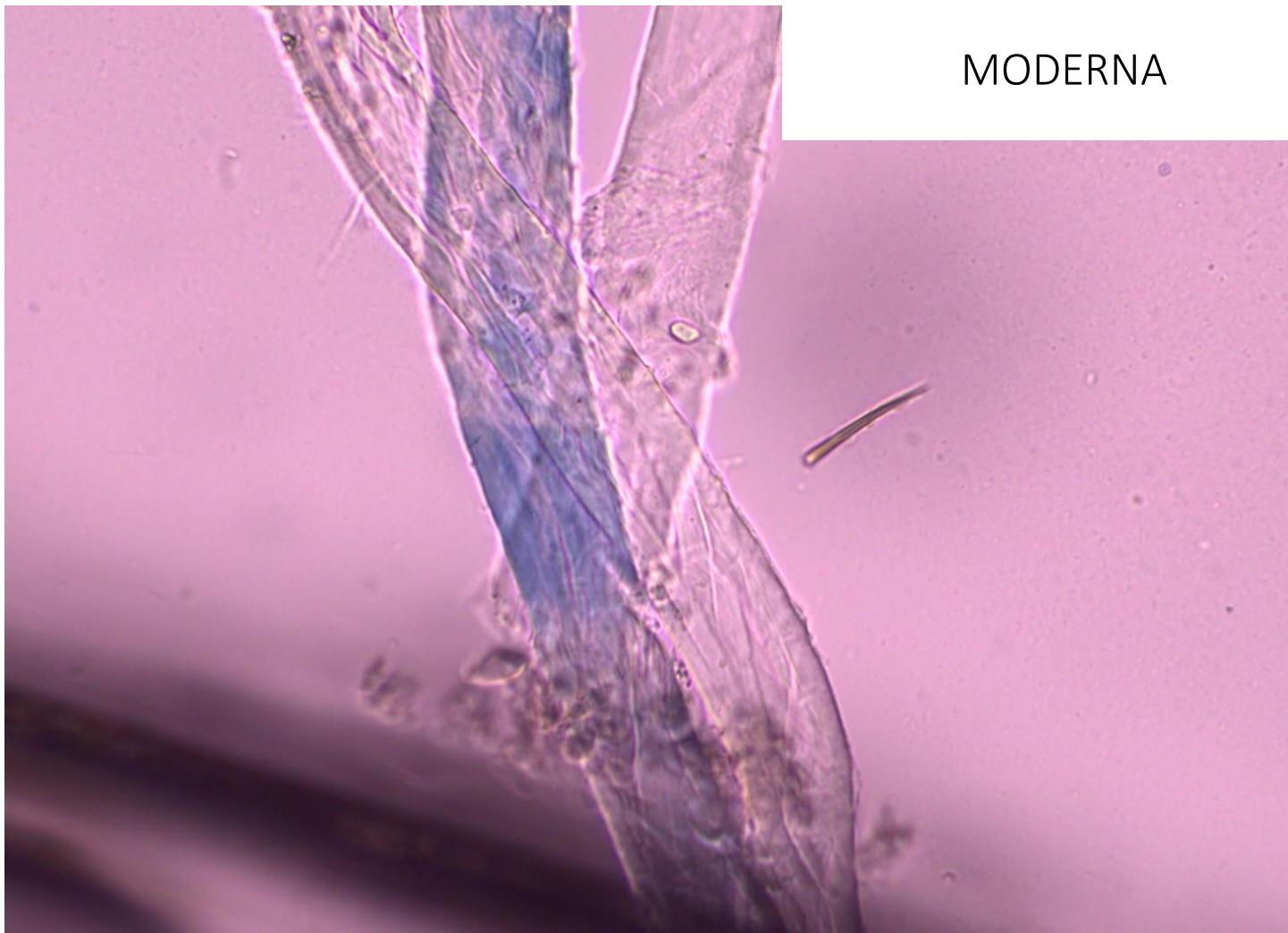
FIBERS AND BANDS

MODERNA



OBJECTS TYPE 4:

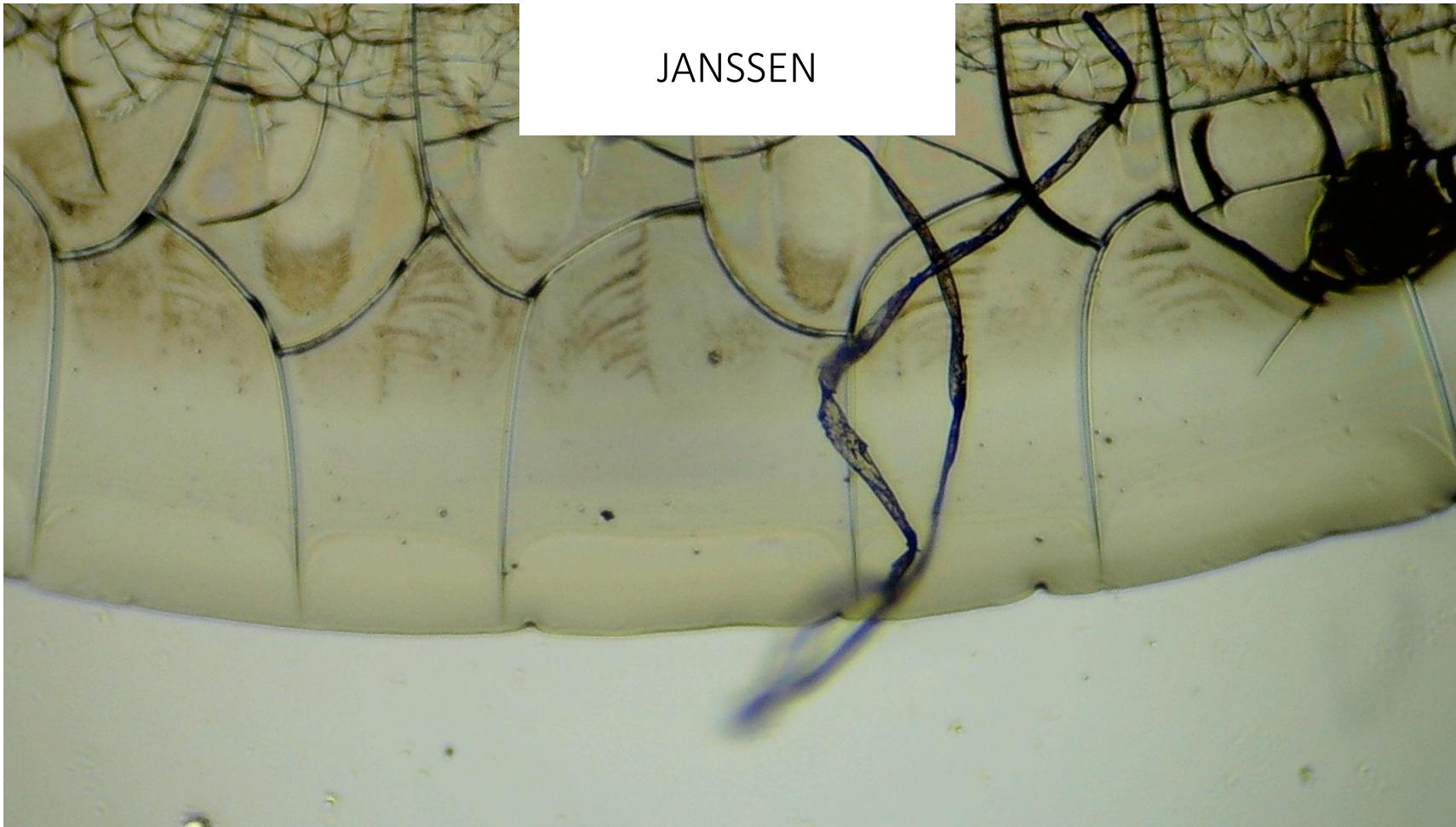
FIBERS AND BANDS



OBJECTS TYPE 4:

FIBERS AND BANDS

JANSSEN

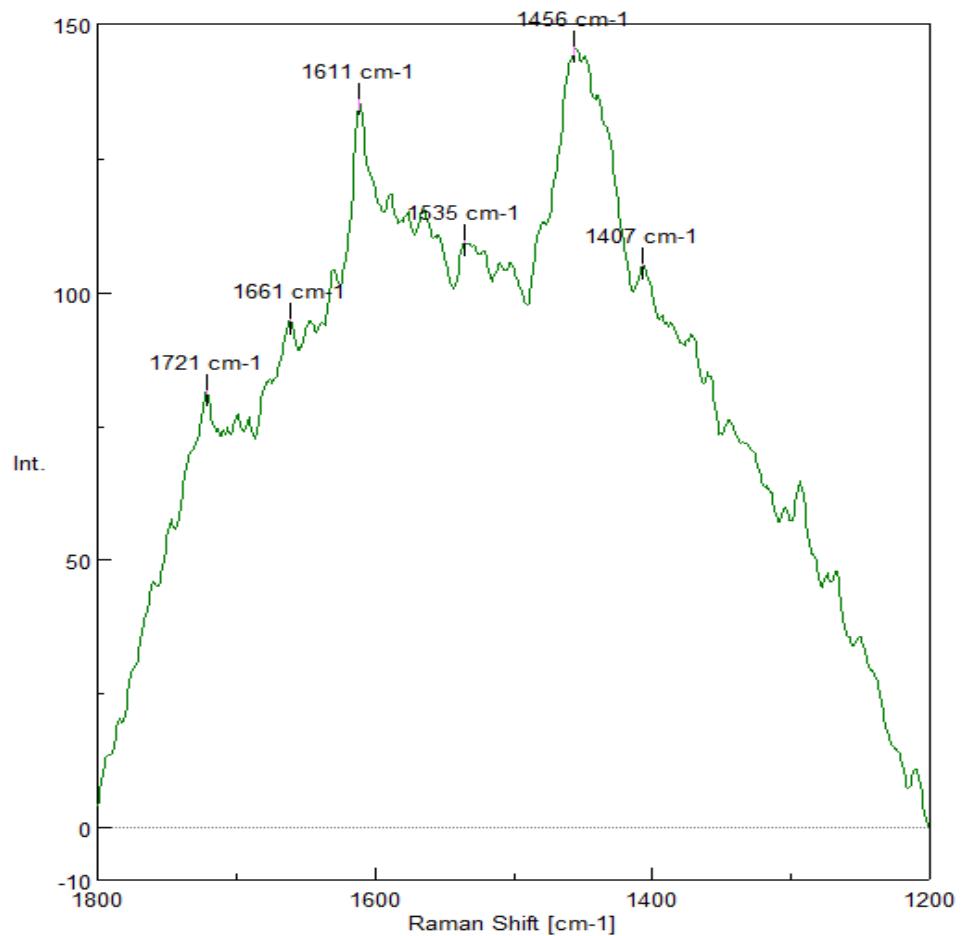


OBJECTS TYPE 4: FIBERS AND BANDS

PFIZER2 (JOR)

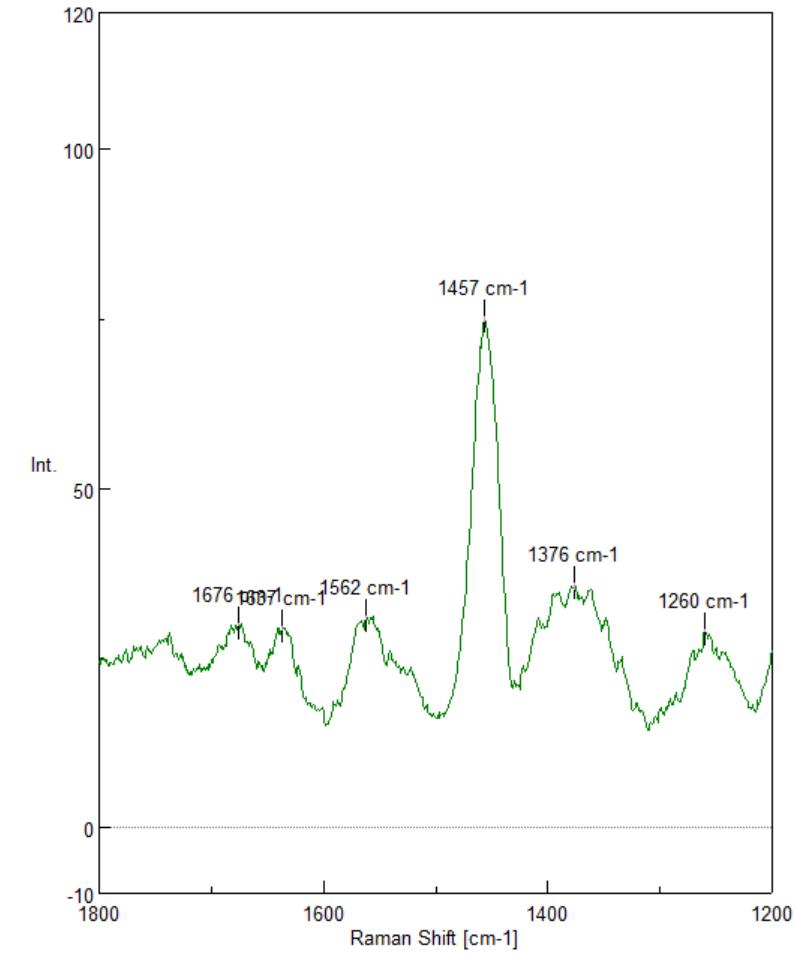
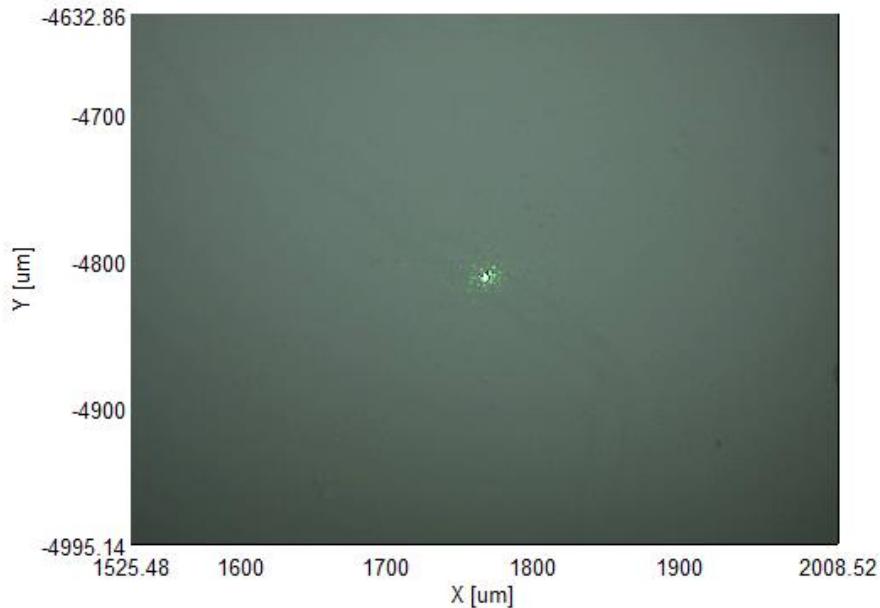


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OBJECTS TYPE 4: FIBERS AND BANDS

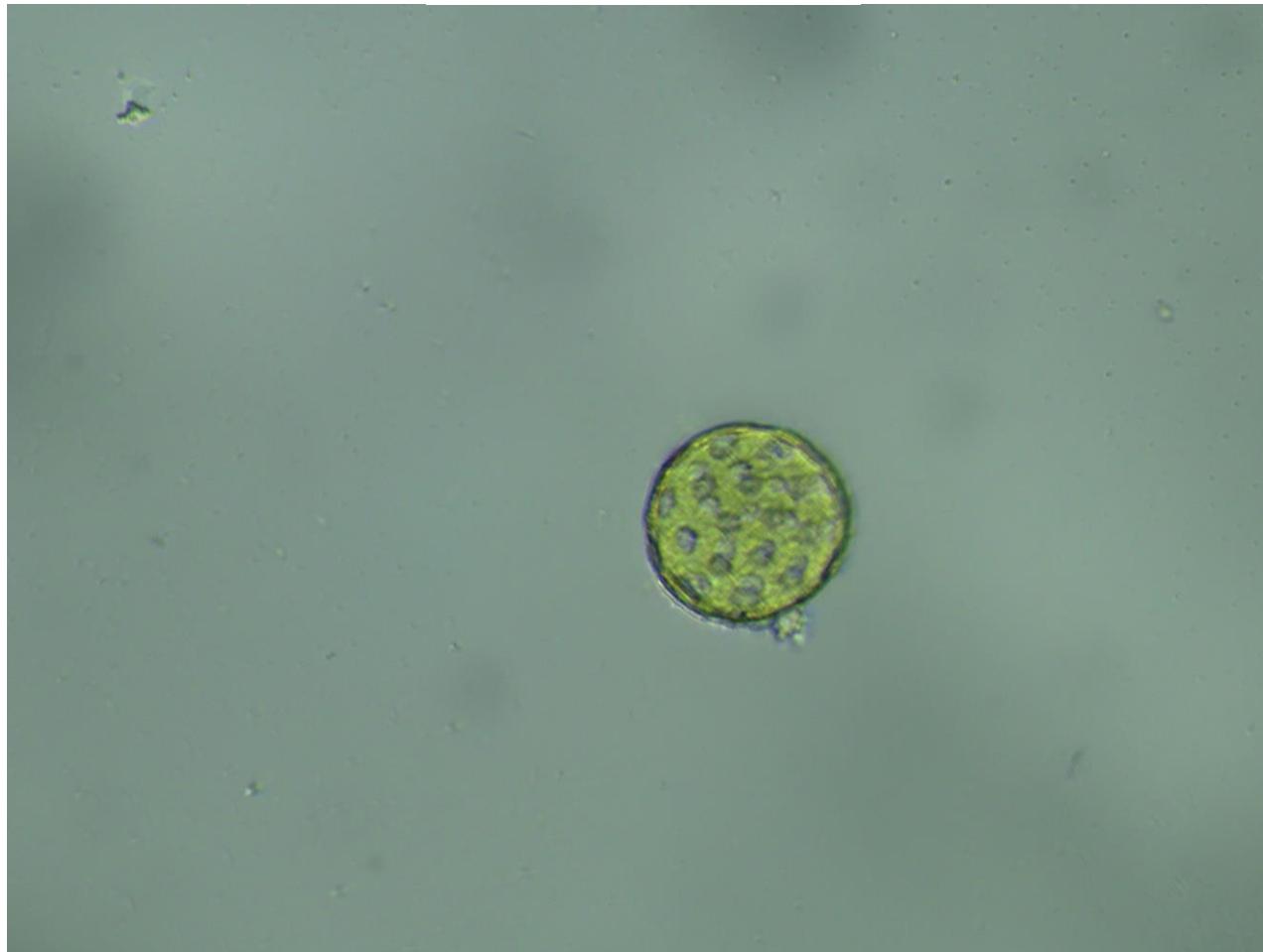
PFIZER3 (ROS)



OBJECTS TYPE 5:

SPHERES

PFIZER



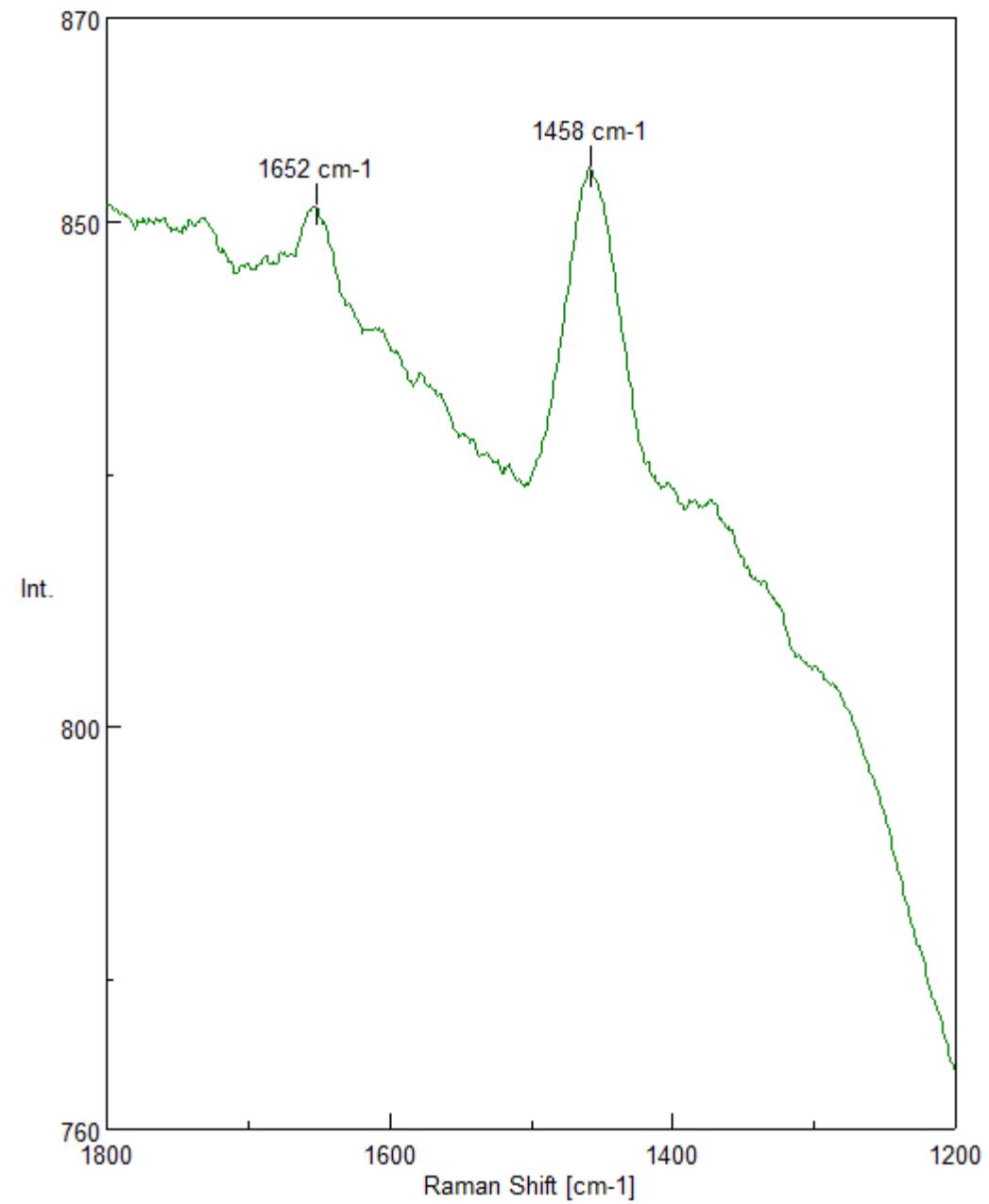
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OBJECTS TYPE 5:

SPHERES
ASTRAZENECA
MORULA1



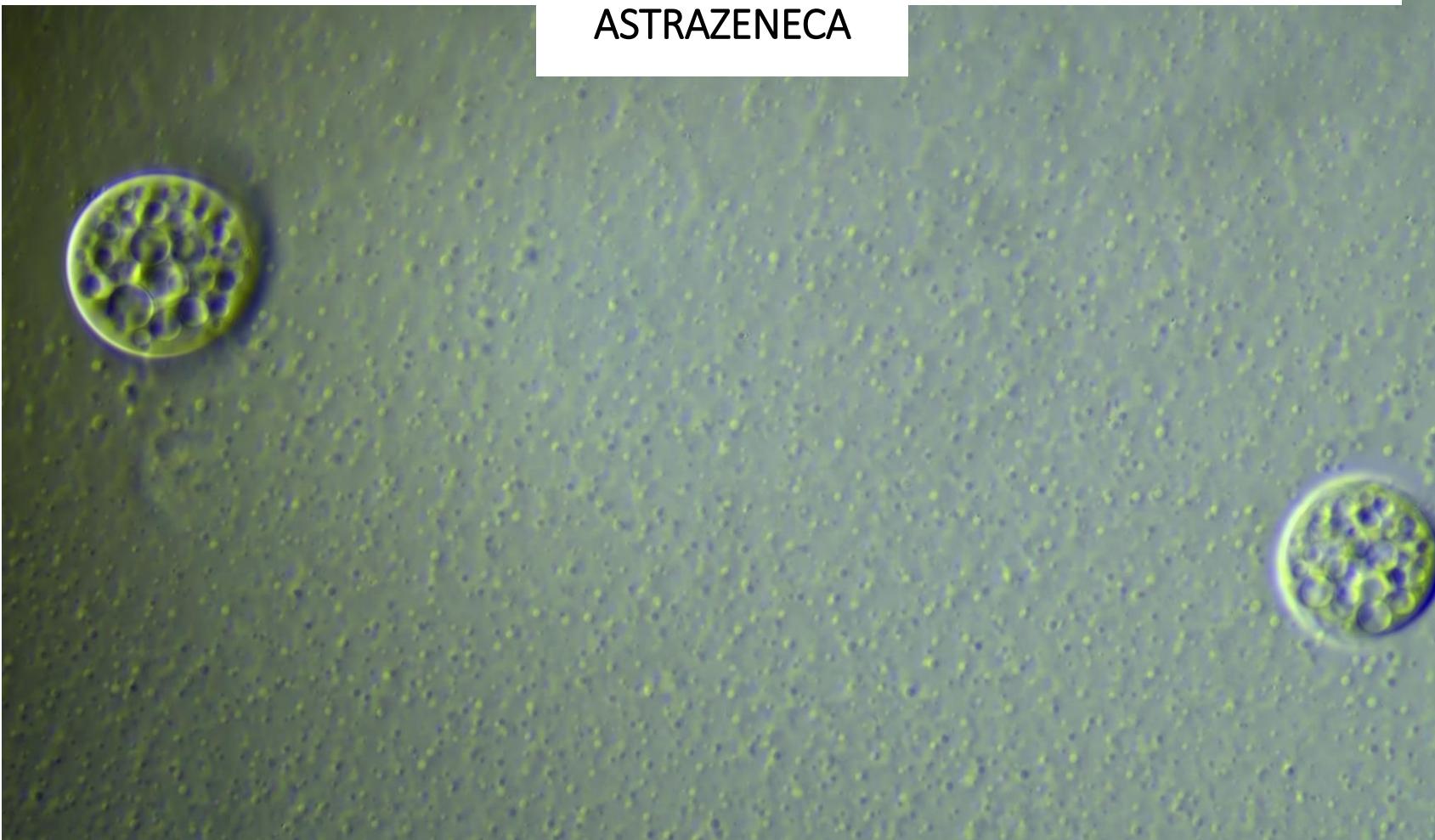
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OBJECTS TYPE 5:

SPHERES

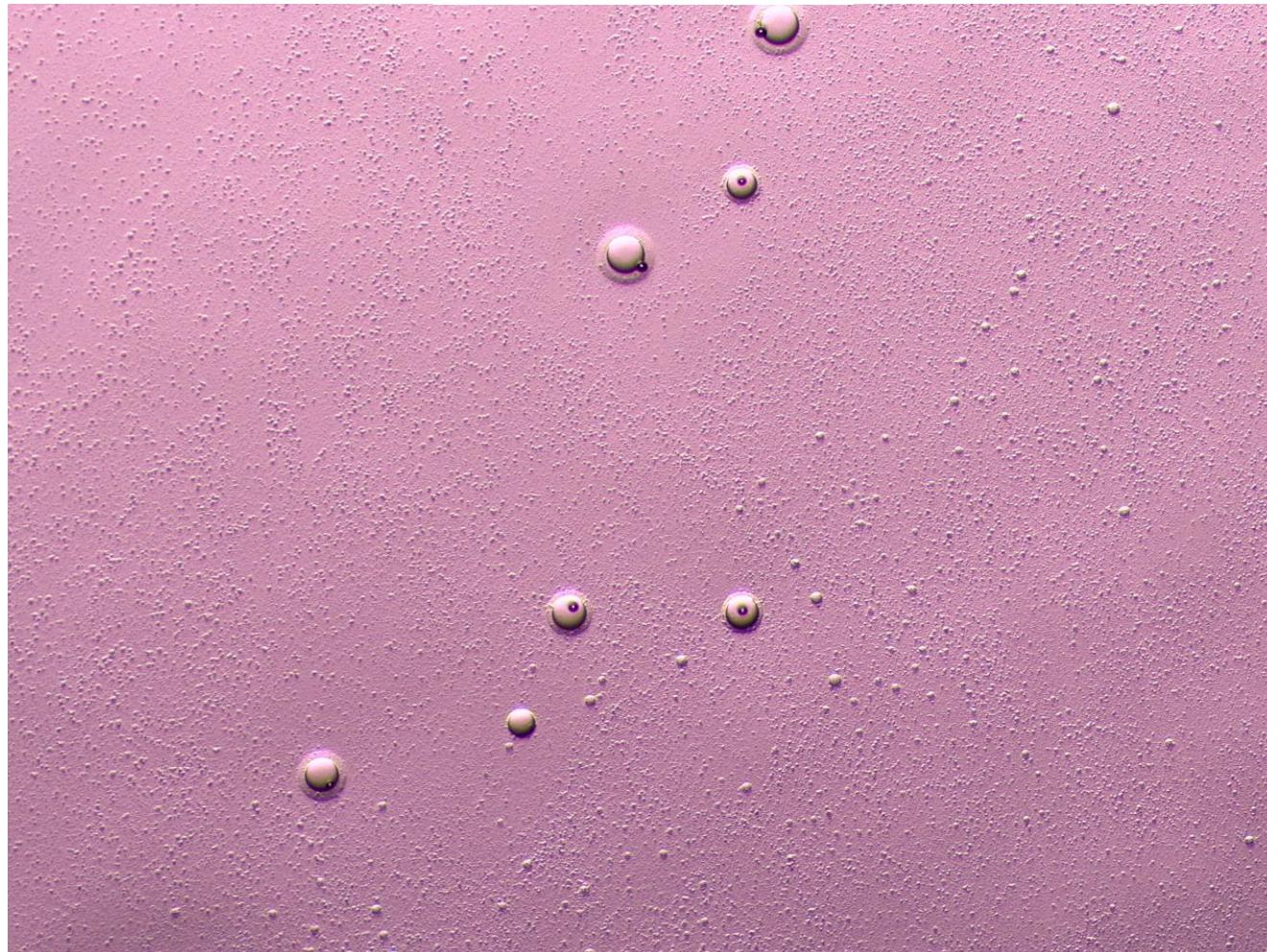
ASTRAZENECA



OBJECTS TYPE 5:

SPHERES

ASTRAZENECA

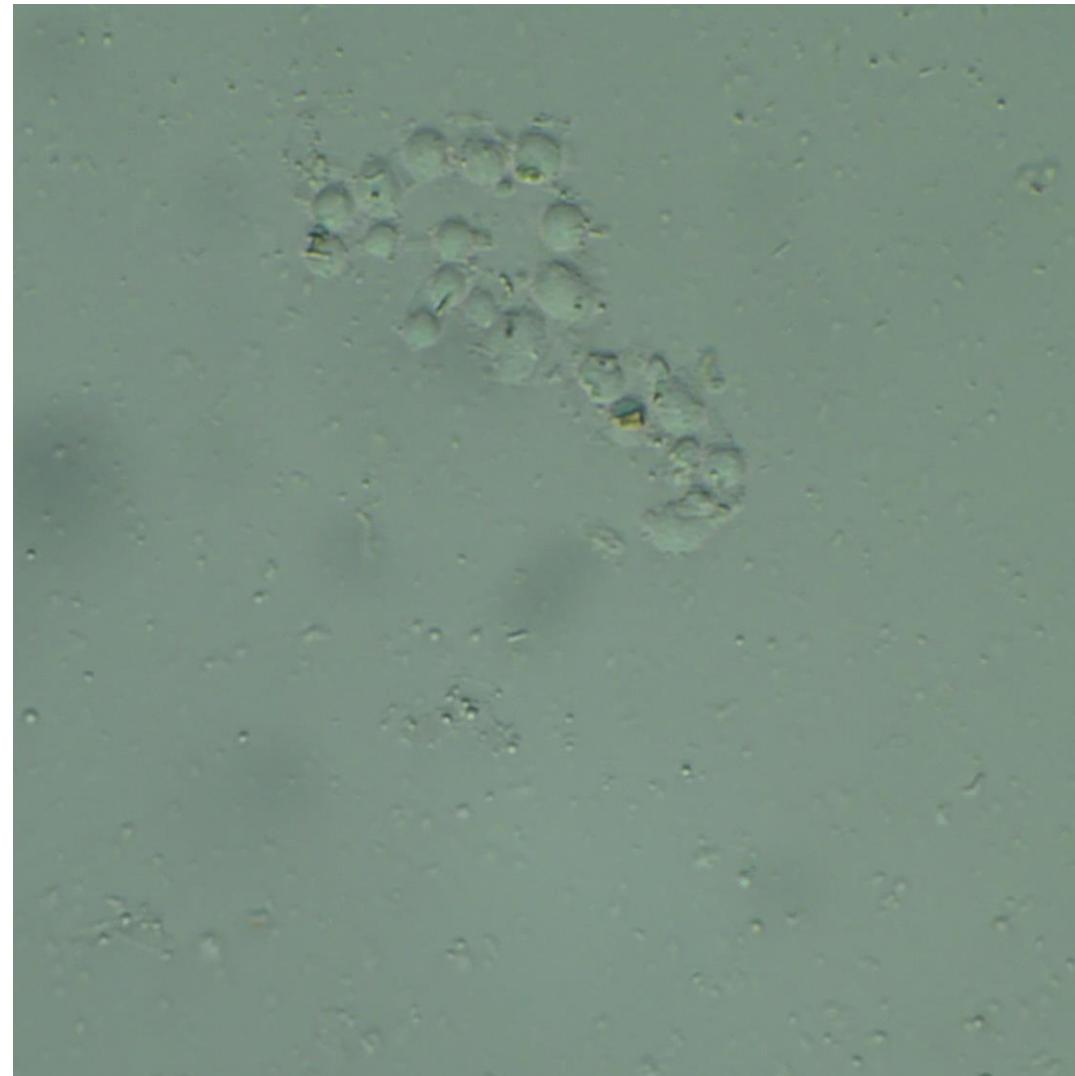


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OBJECTS TYPE 5:

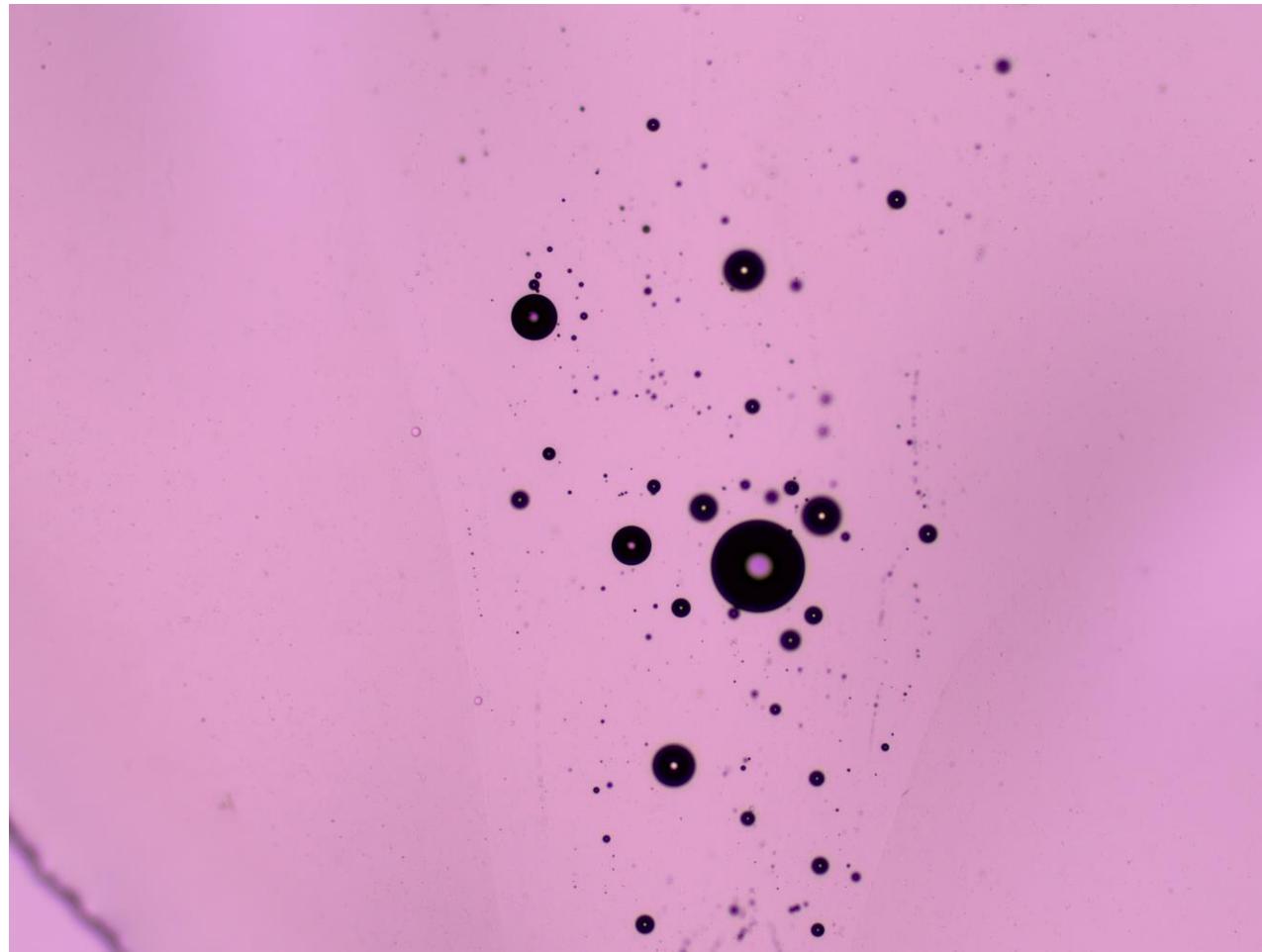
SPHERES

PFIZER



OBJECTS TYPE 6:
DISCS (after drying)

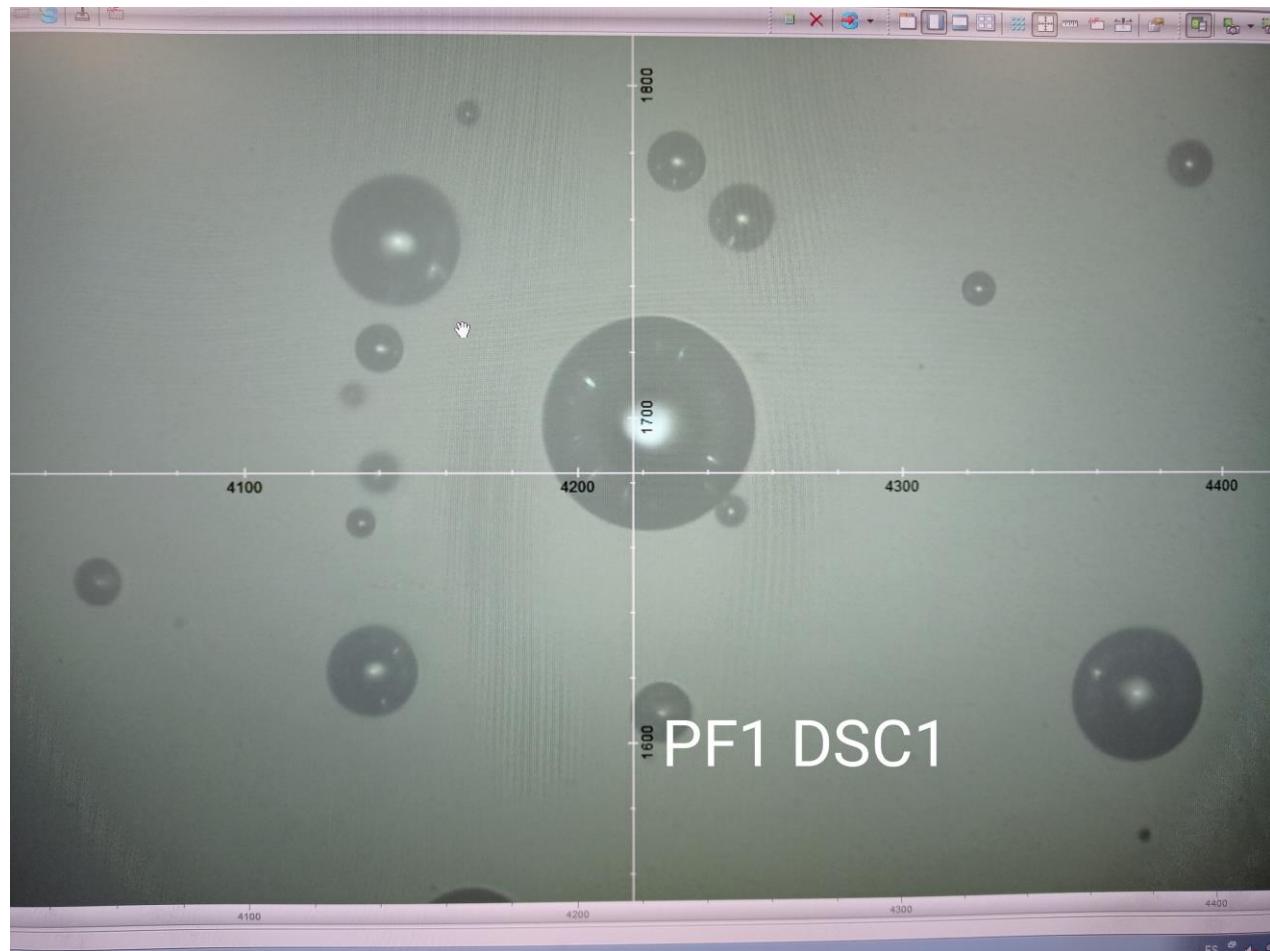
JANSSEN
DSC1



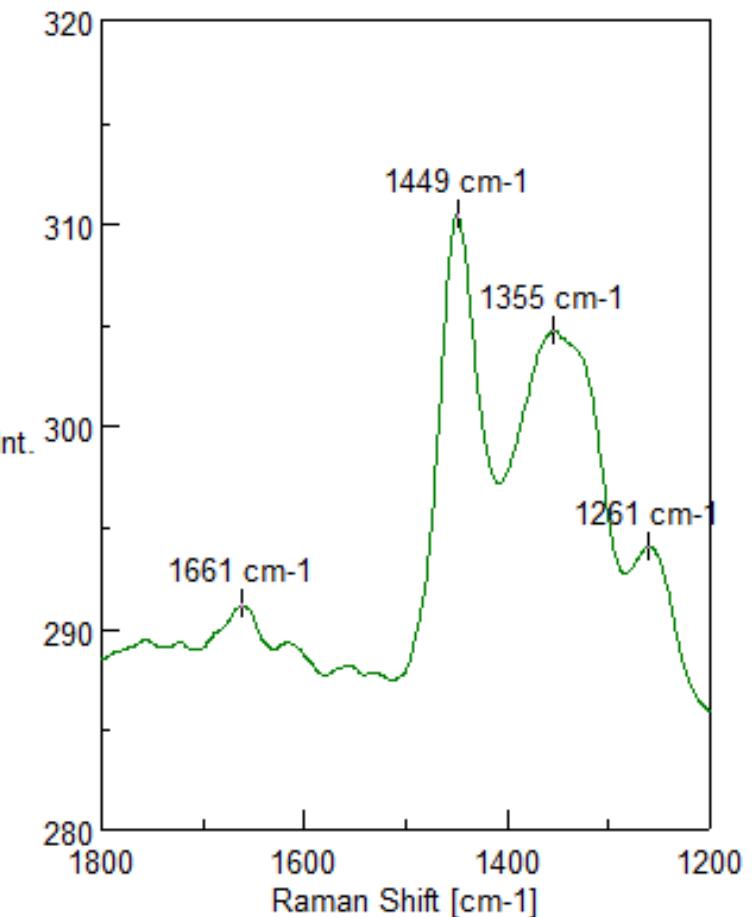
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OBJECTS TYPE 6: DISCS (after drying)

PFIZER 2



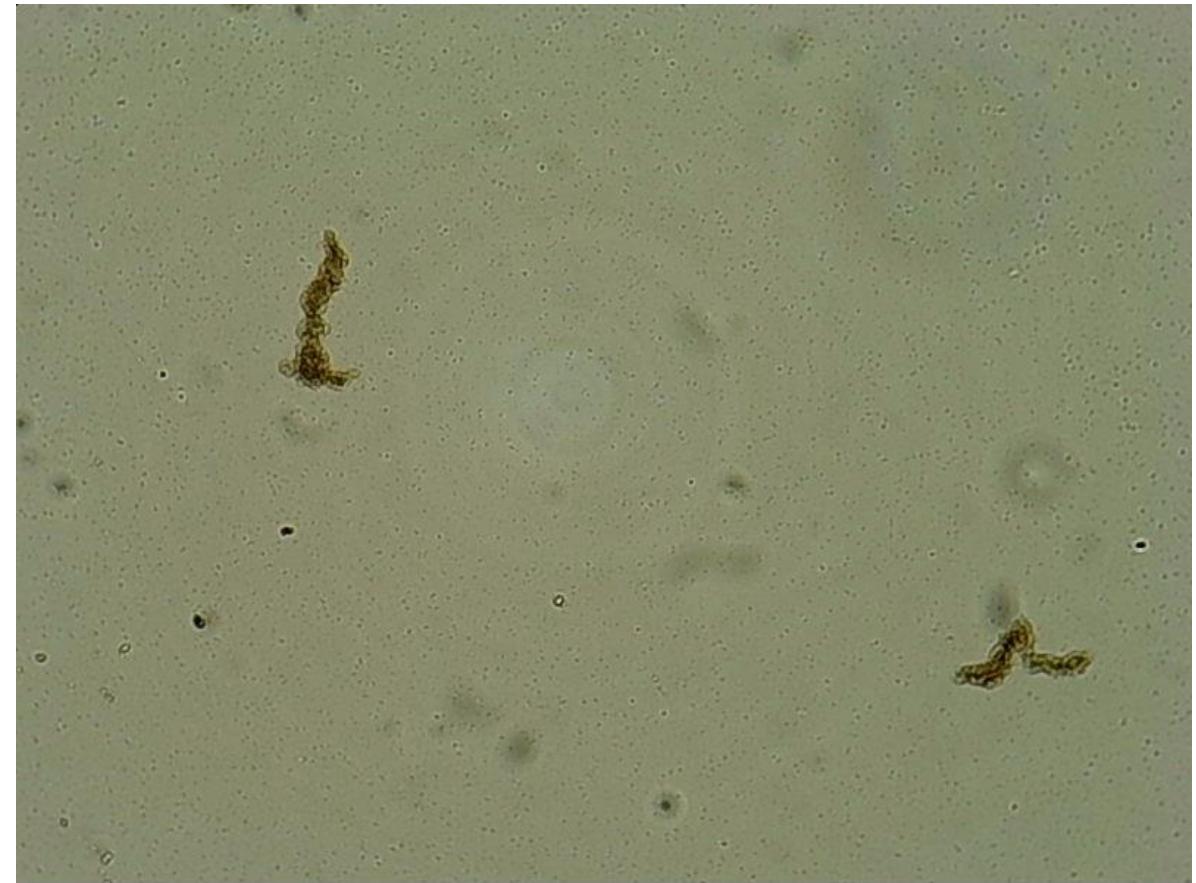
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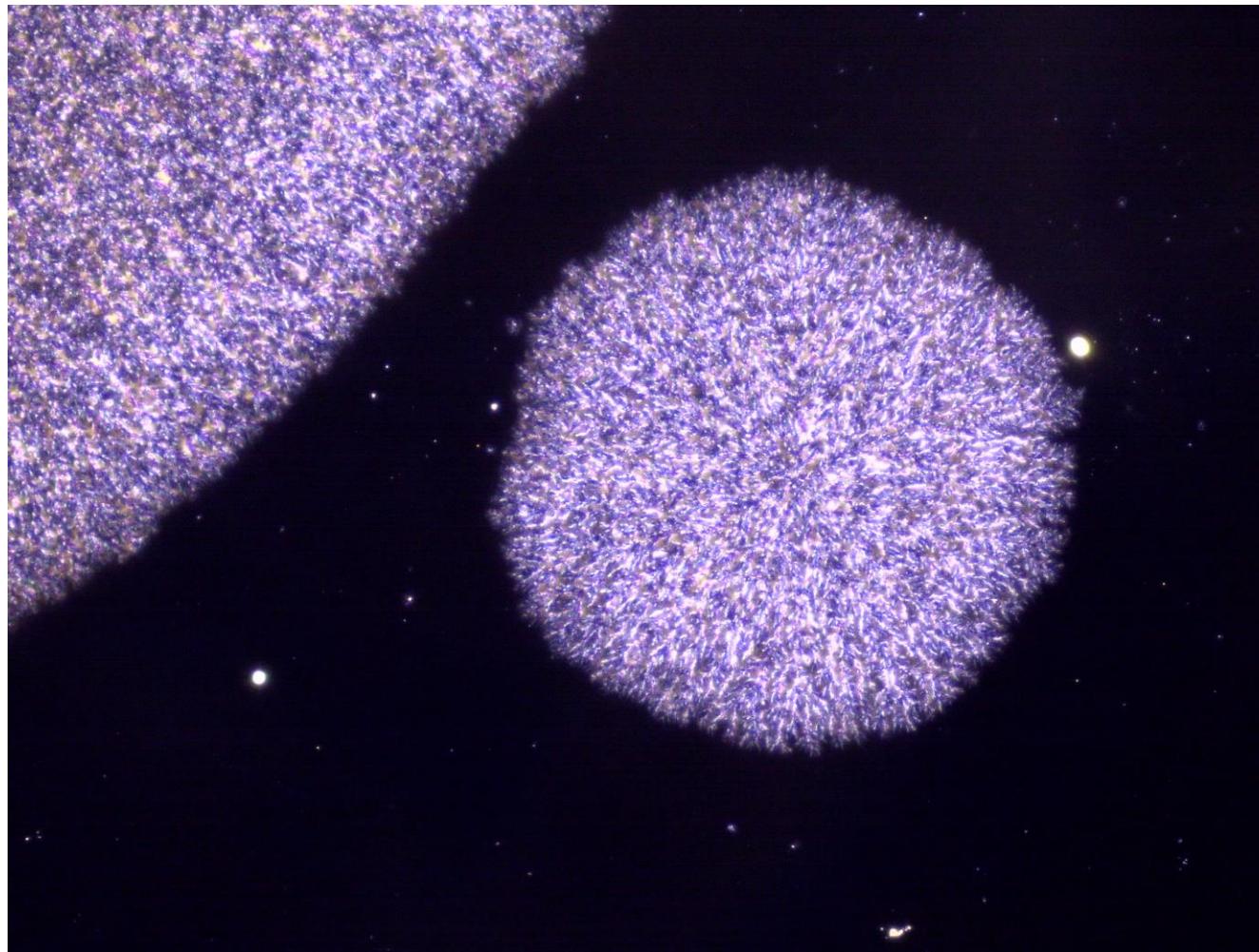
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OBJECTS TYPE 7:
BROWN SPOTTED LUMPS

ASTRAZENECA



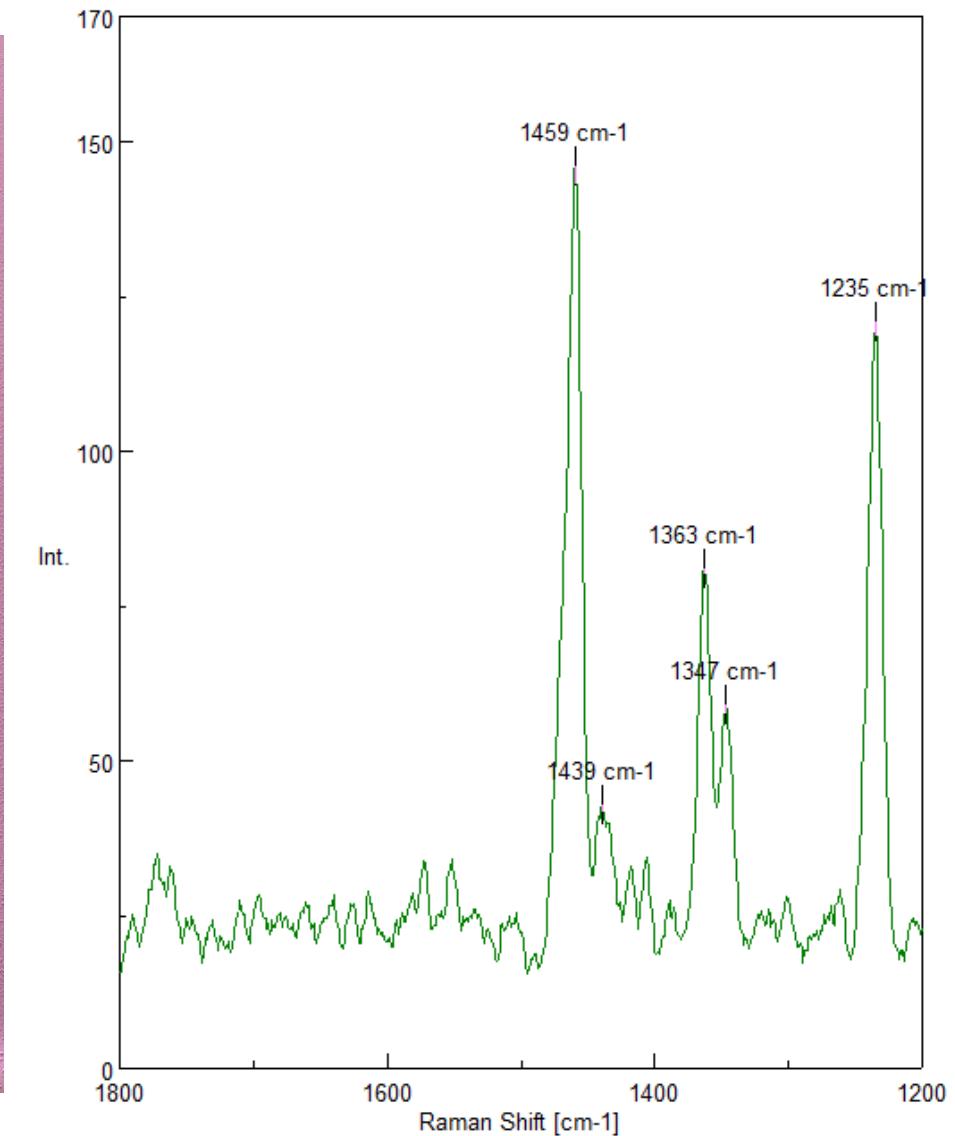
OBJECTS TYPE 8:
CHAMP-LIKE OBJECTS (after drying)
ASTRAZENECA



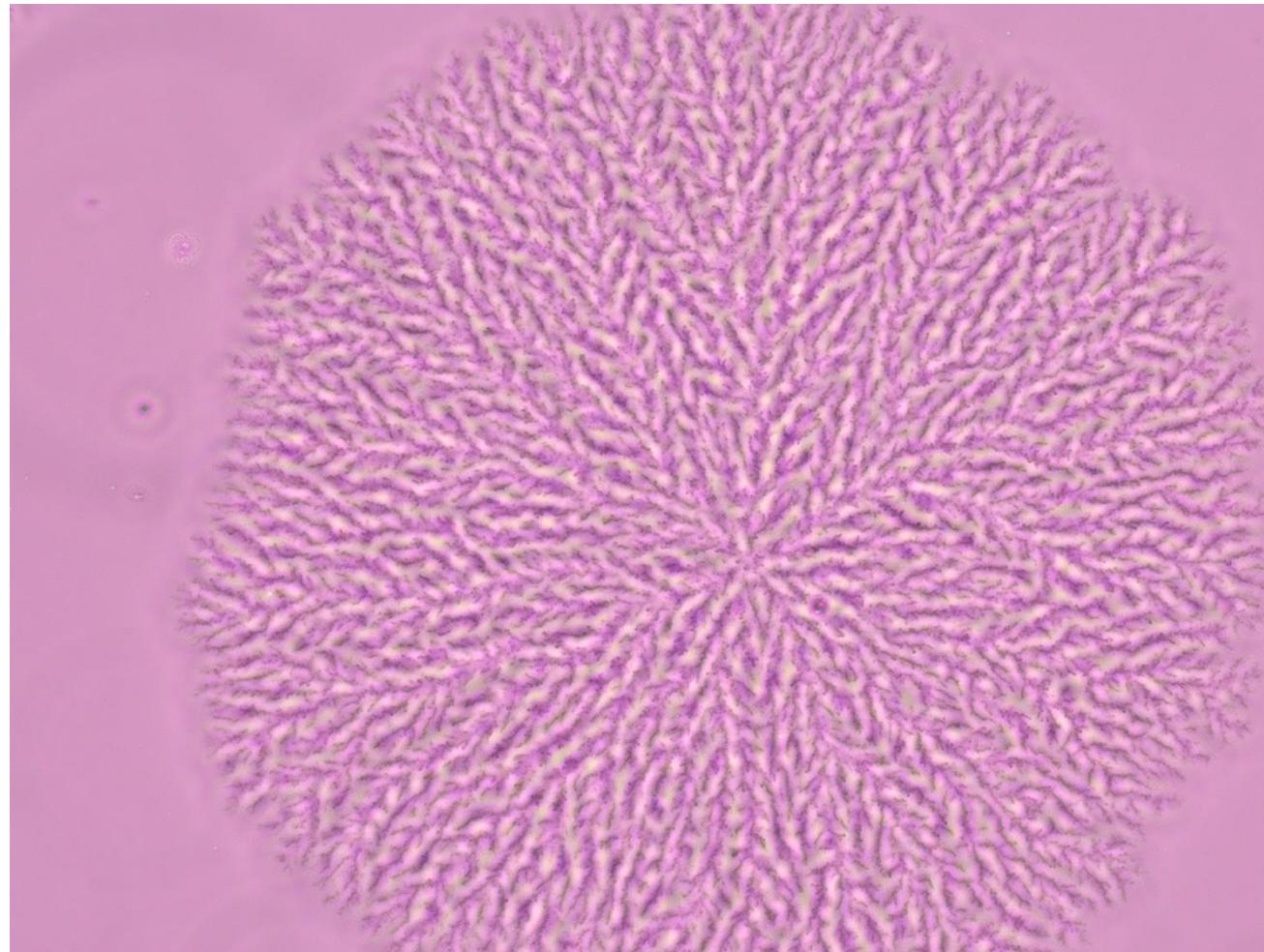
OBJECTS TYPE 8:
CHAMP-LIKE OBJECTS (after drying)
ASTRAZENECA



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OBJECTS TYPE 8:
CHAMP-LIKE OBJECTS (after drying)
ASTRAZENECA

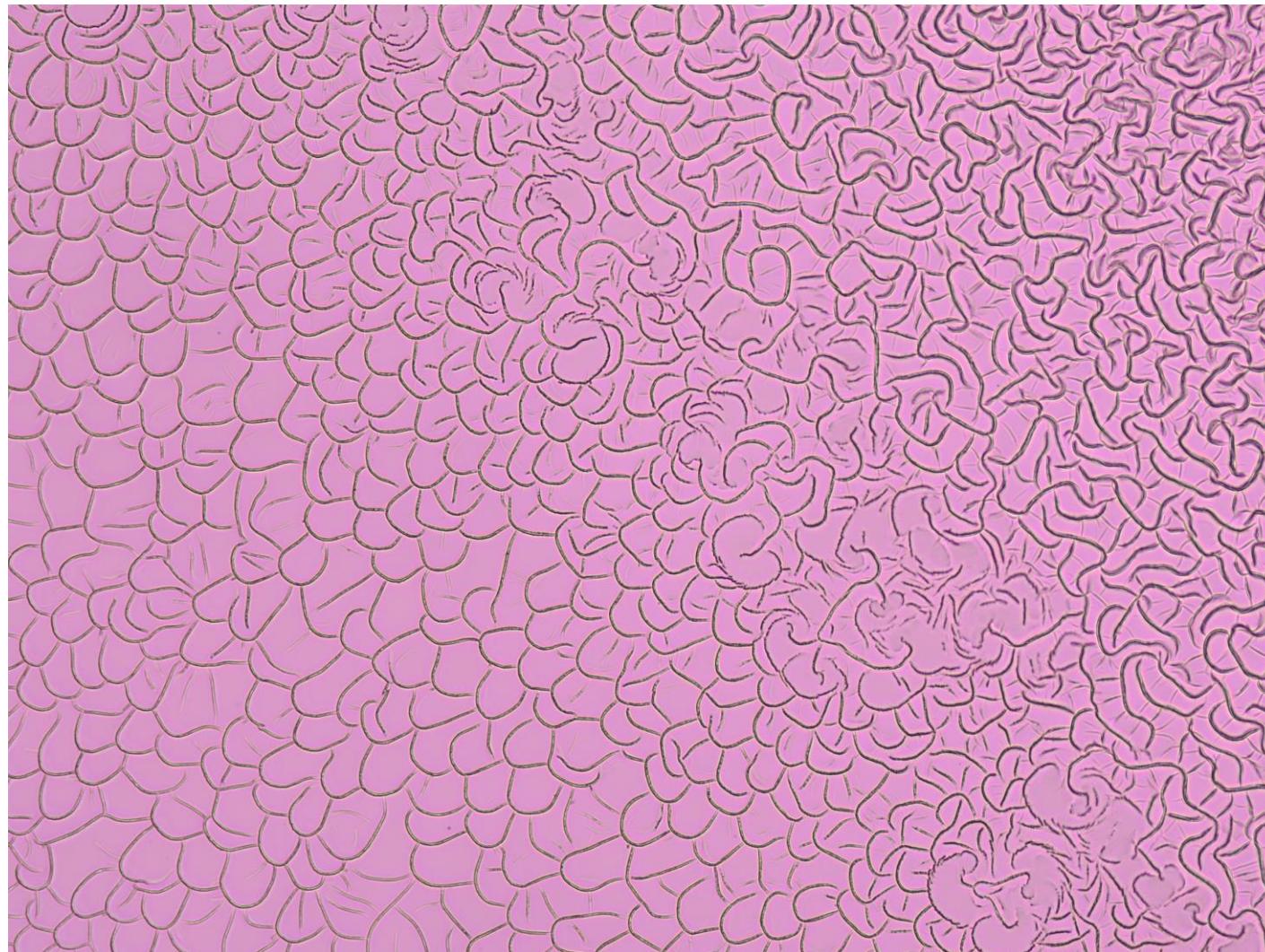


OBJECTS TYPE 9:
NOODLES (after drying)
JANSSEN



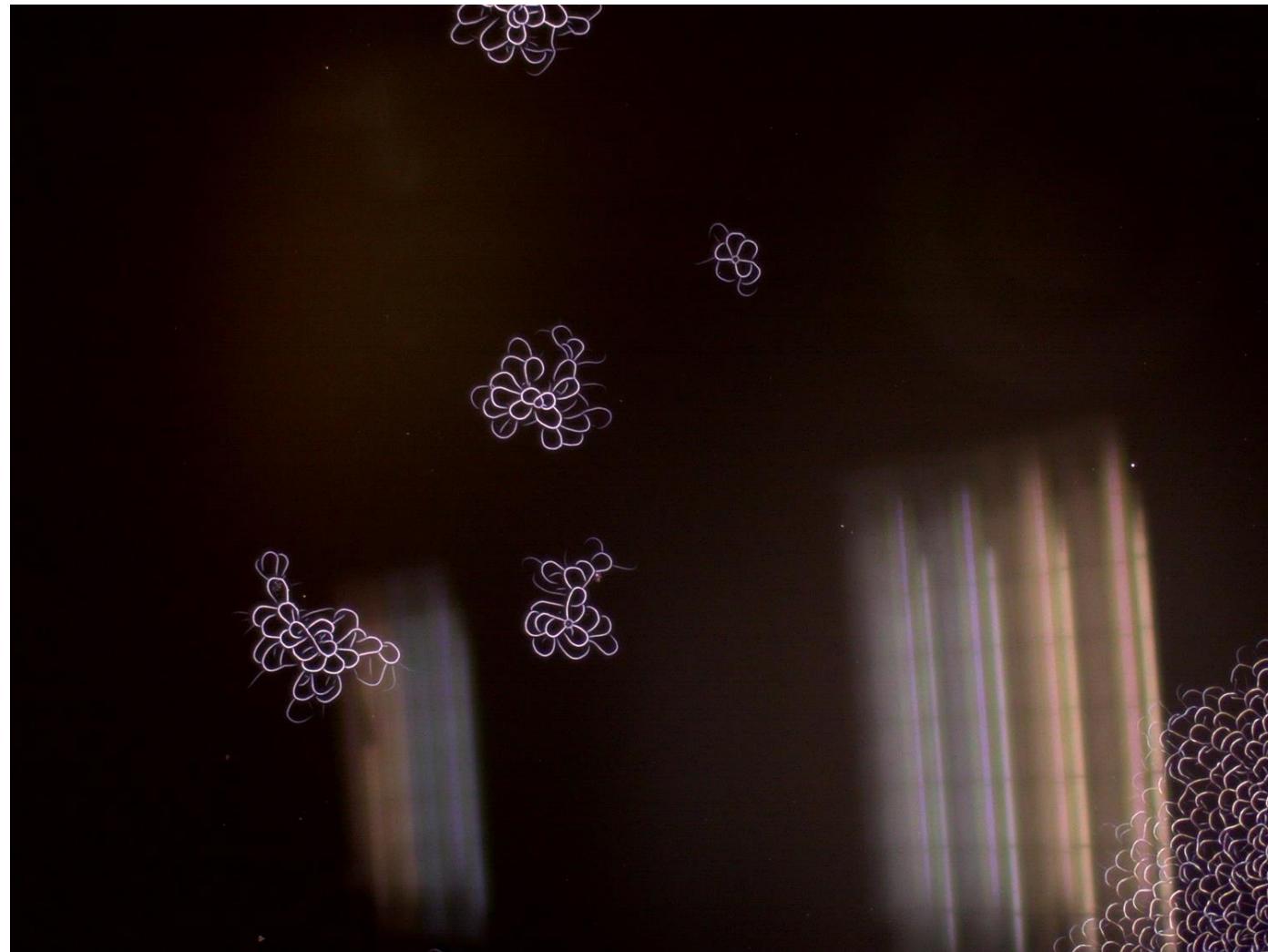
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OBJECTS TYPE 9:
NOODLES (after drying)
JANSSEN



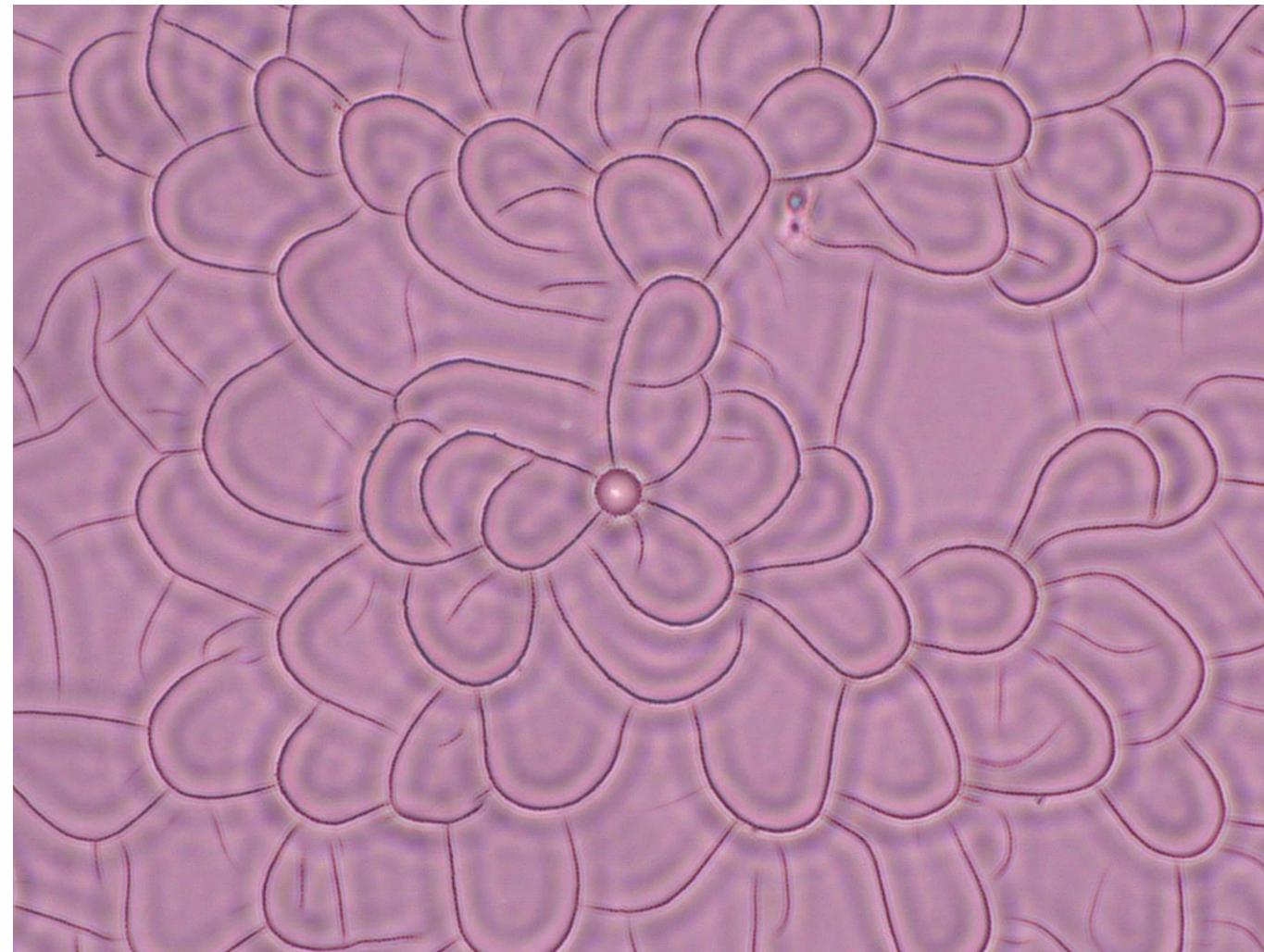
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OBJECTS TYPE 9:
NOODLES (while drying)
JANSSEN



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OBJECTS TYPE 9:
NOODLES ((after drying)
JANSSEN

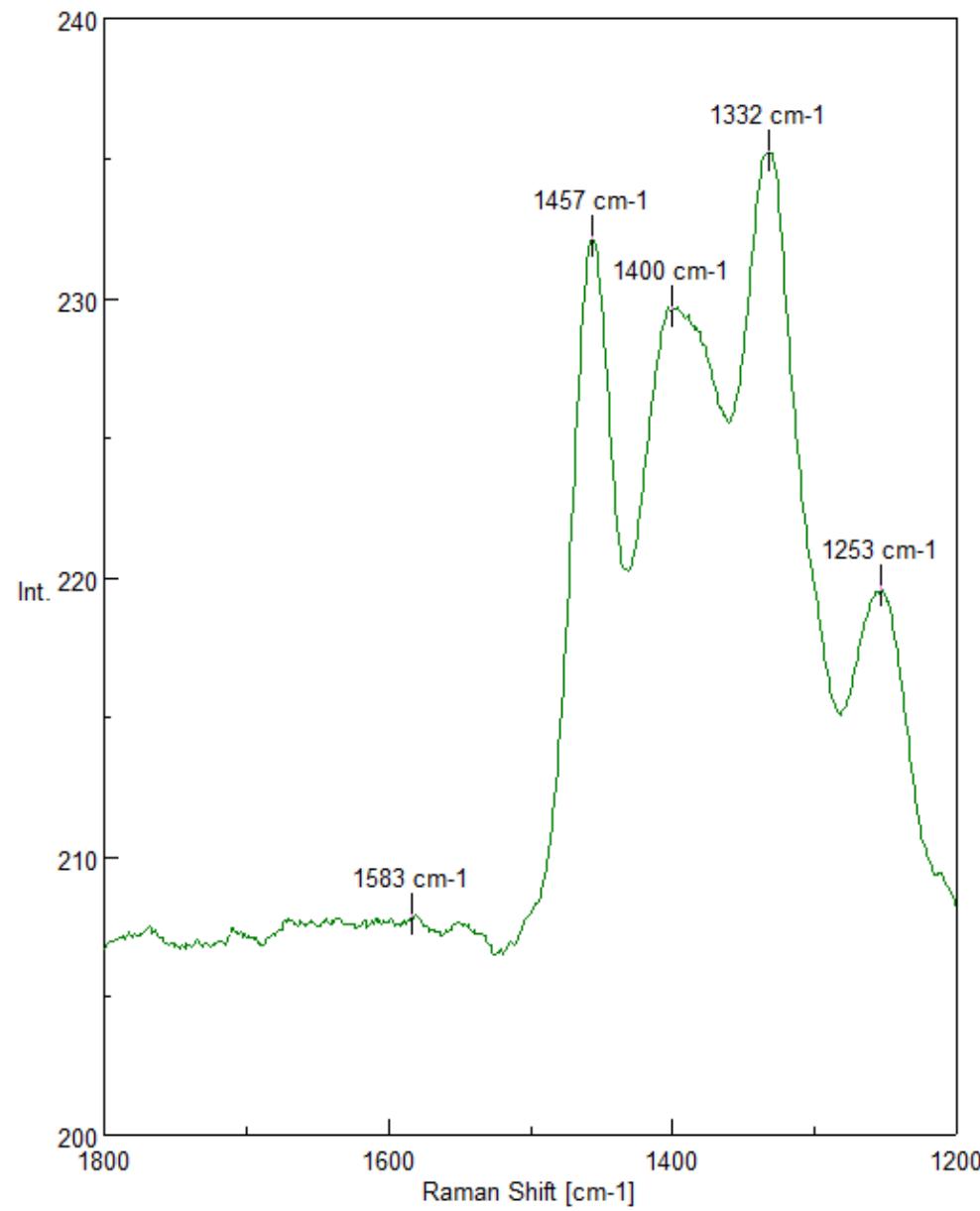


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OBJECTS TYPE 9:
NOODLES (dark field 600X)
JANSSEN



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OBJECTS TYPE 9:
MICROBIOTA (with active non-brownian movement)

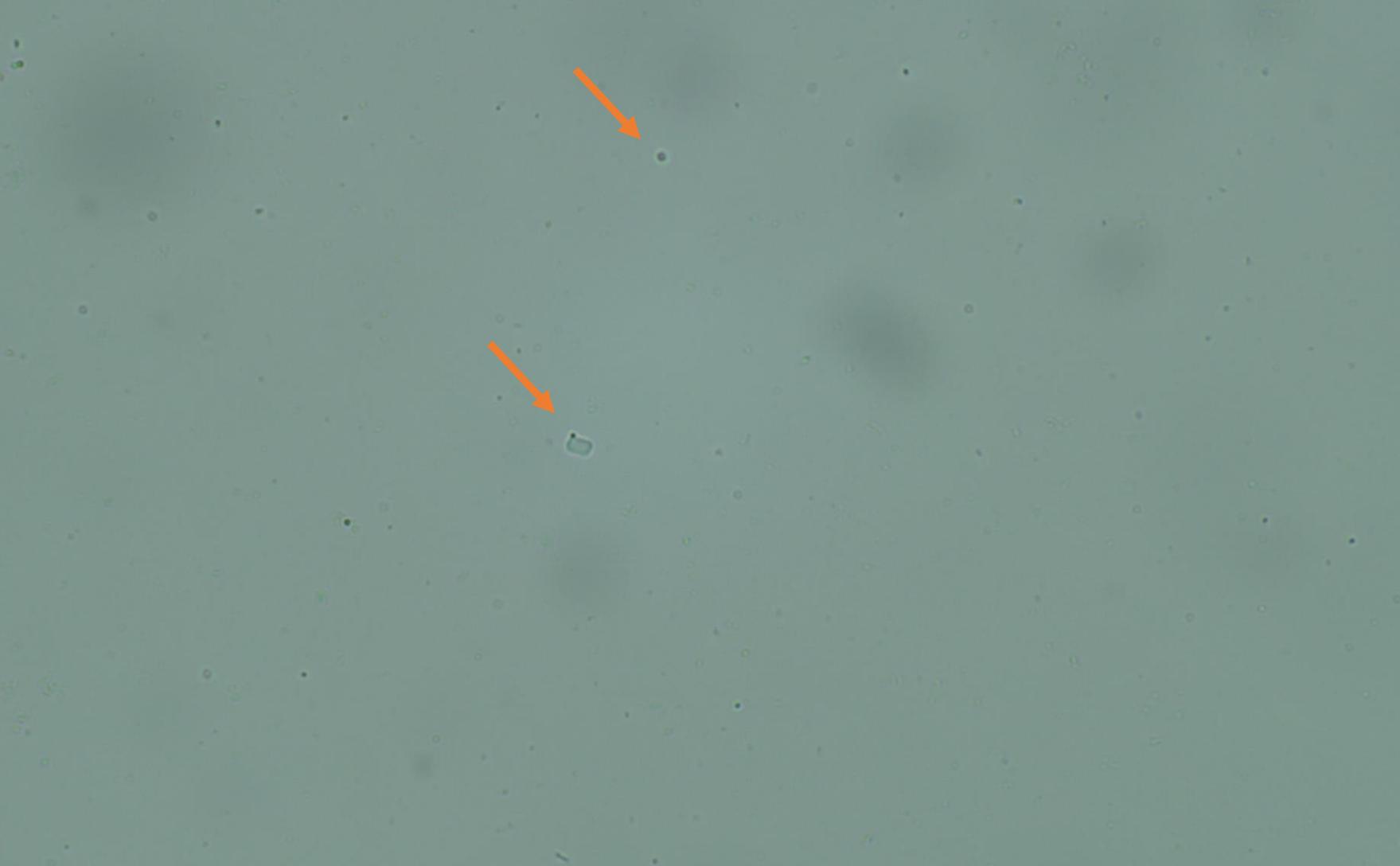
PFIZER RD1, 600X, dark field



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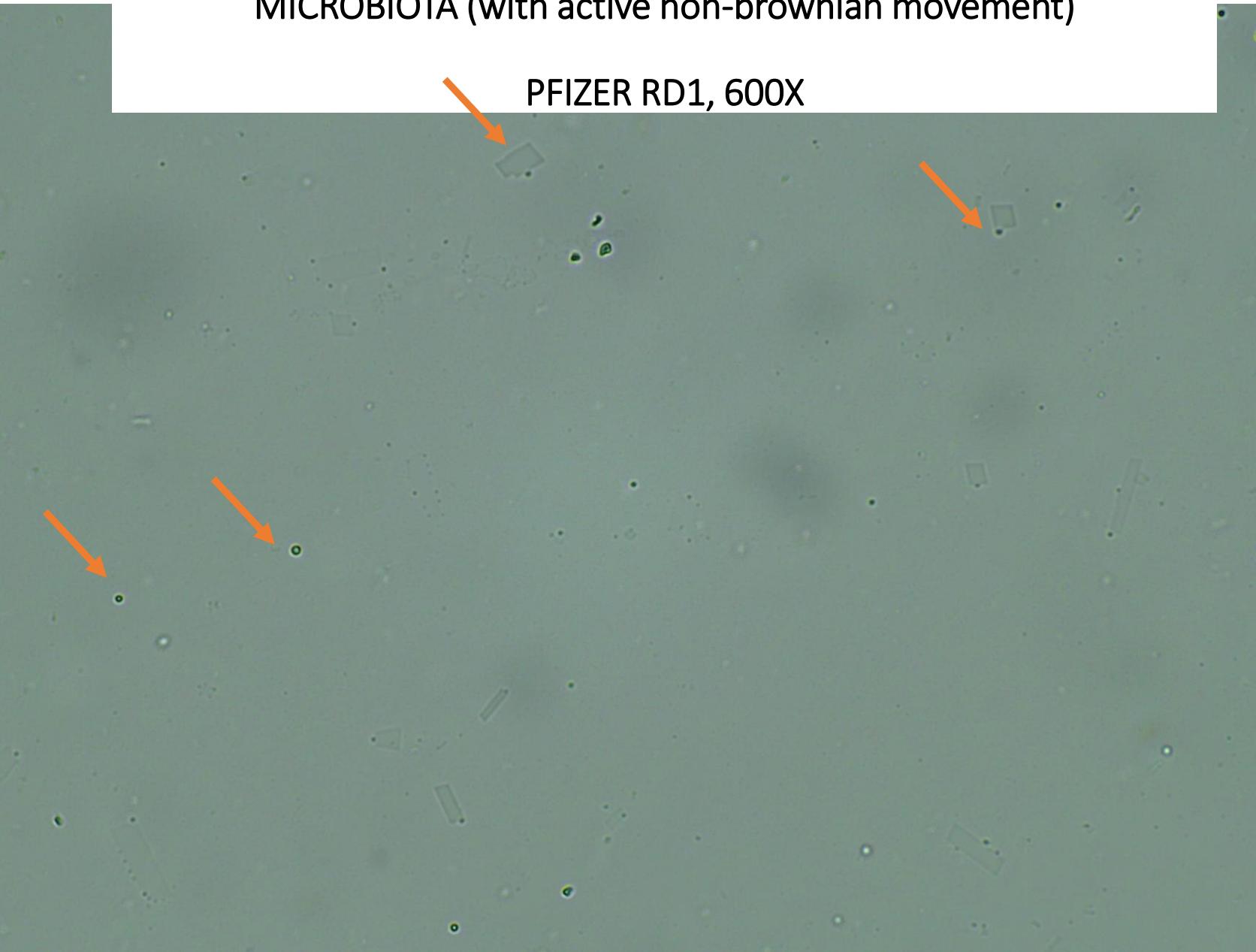
OBJECTS TYPE 9:
MICROBIOTA (with active non-brownian movement)

PFIZER RD1, 600X



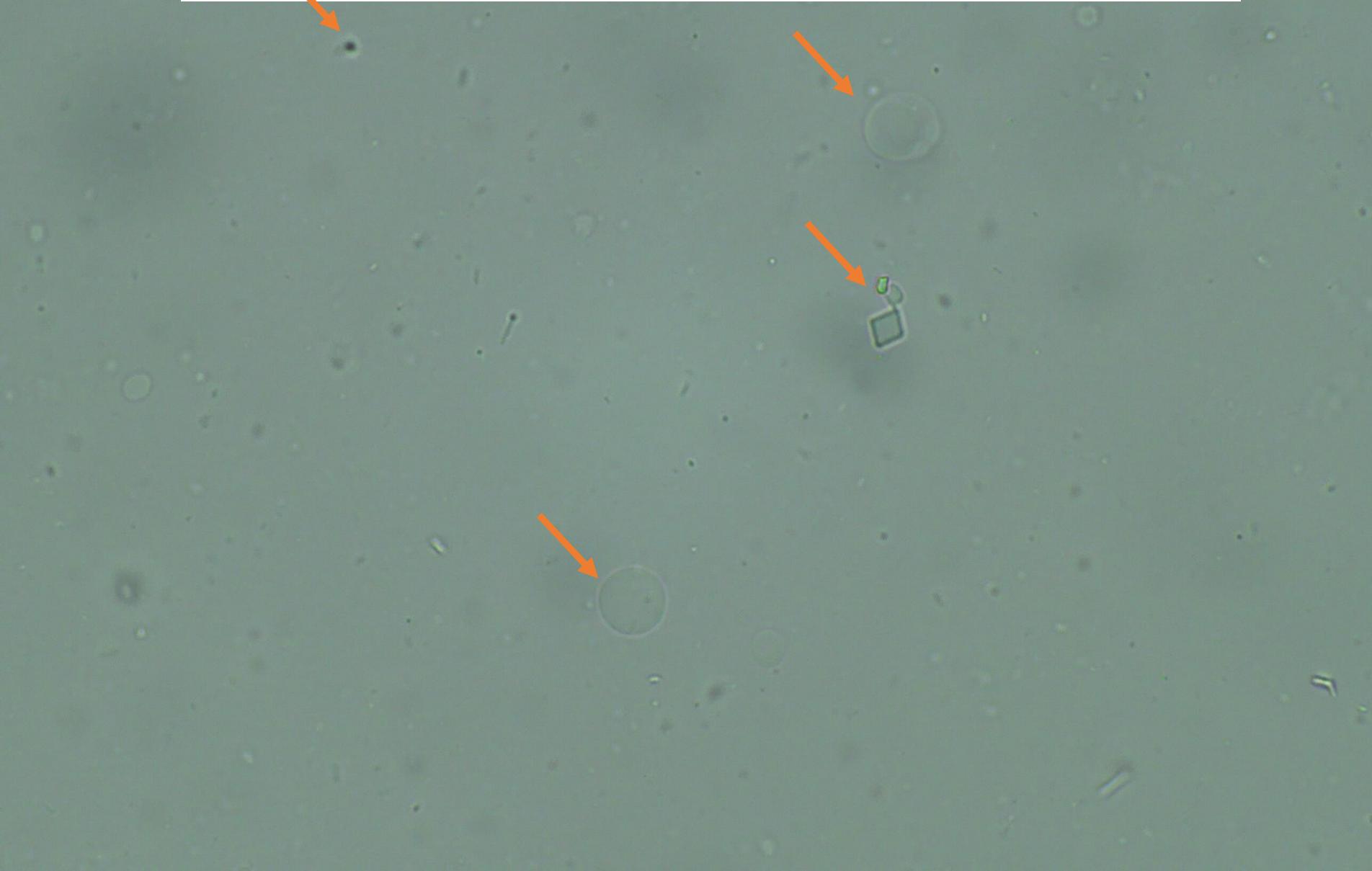
OBJECTS TYPE 9:
MICROBIOTA (with active non-brownian movement)

PFIZER RD1, 600X



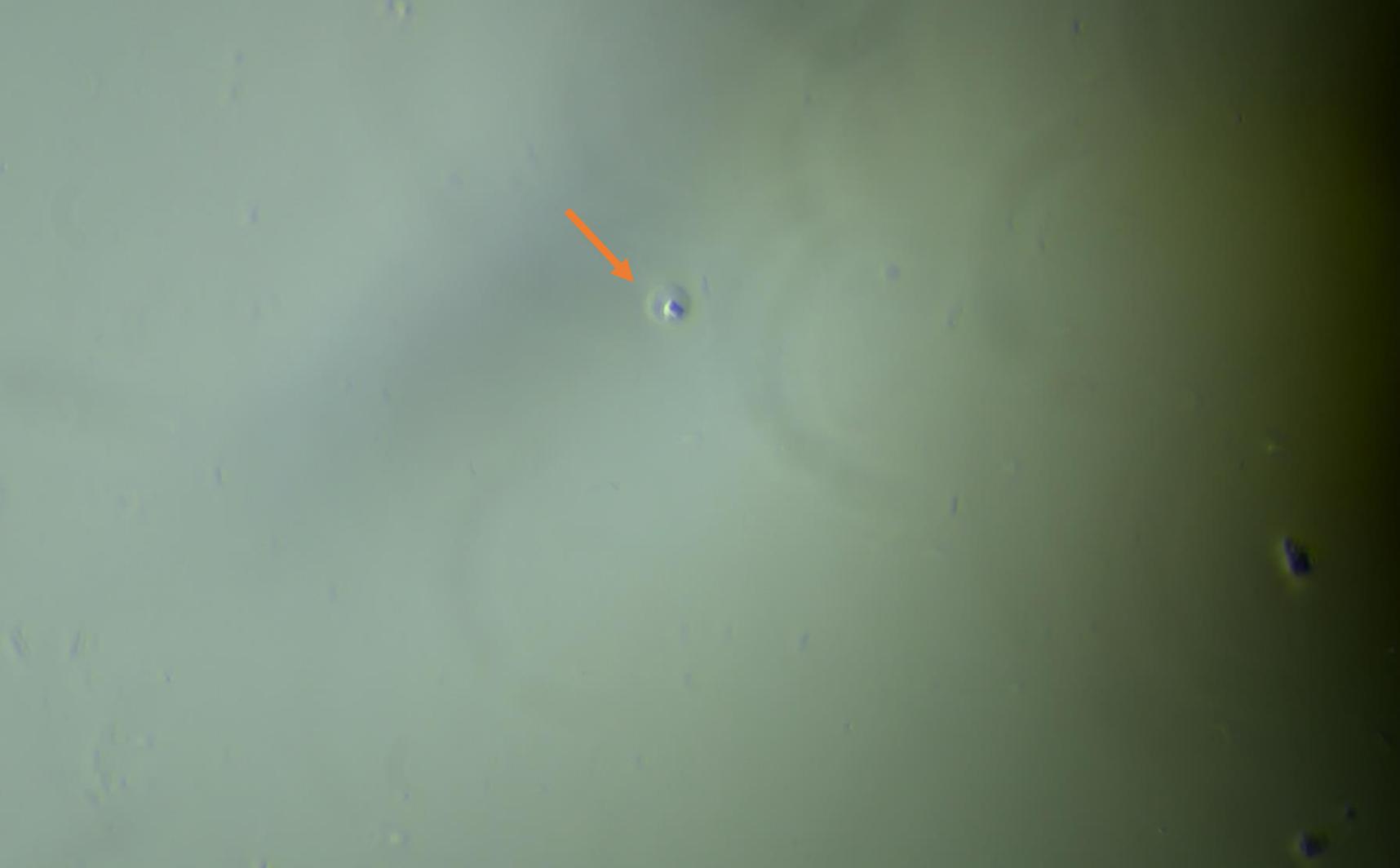
OBJECTS TYPE 9:
MICROBIOTA (with active non-brownian movement)

PFIZER RD1, 600X



OBJECTS TYPE 9:
MICROBIOTA (with active non-brownian movement)

PFIZER RD1, 600X



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