

Fig.1A

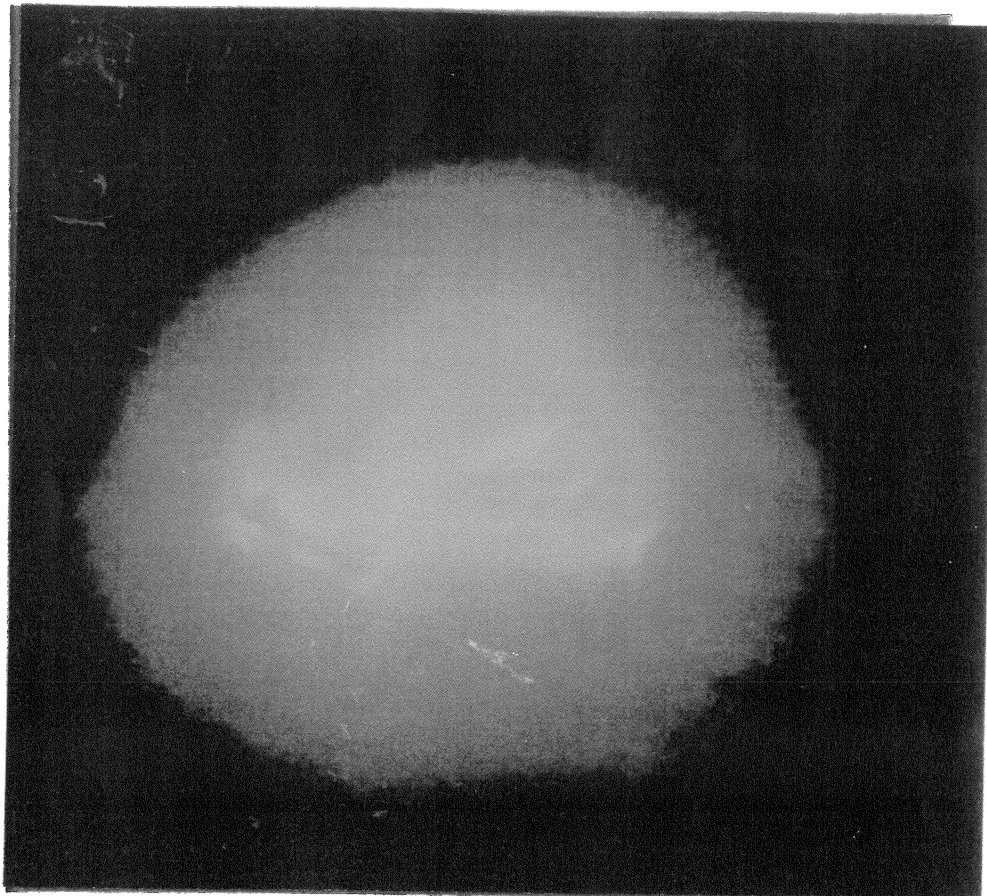


Fig.1B

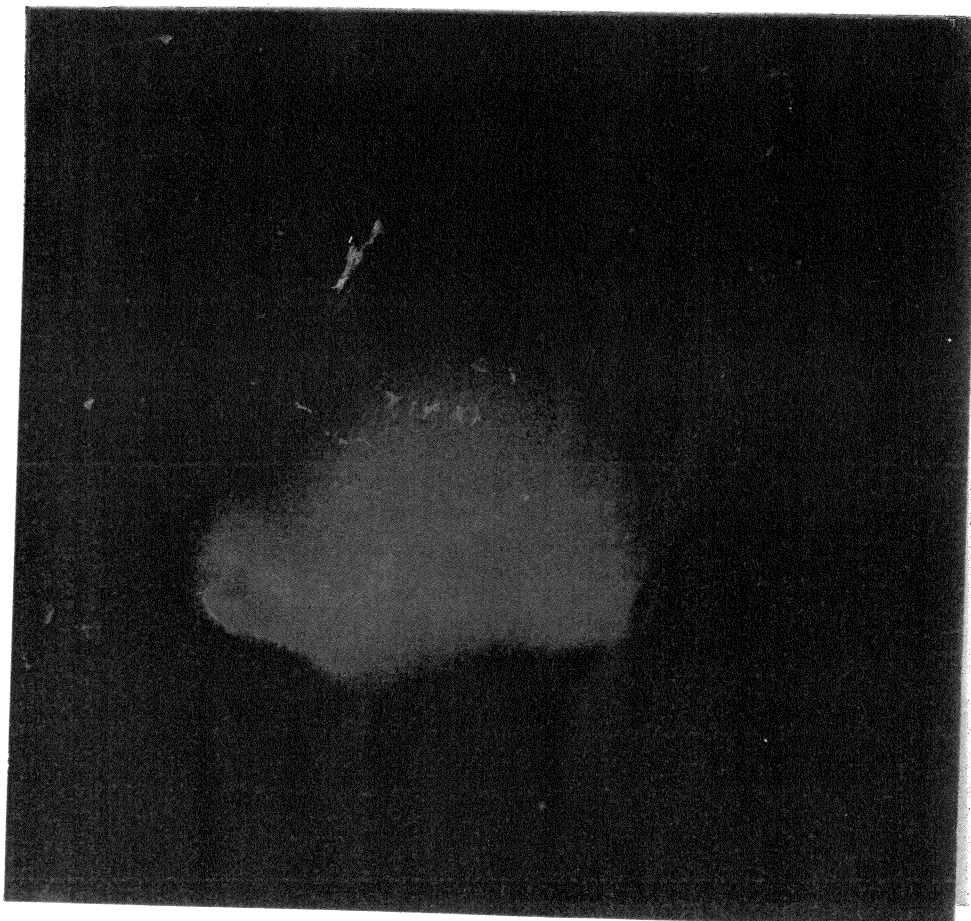


Fig.1C

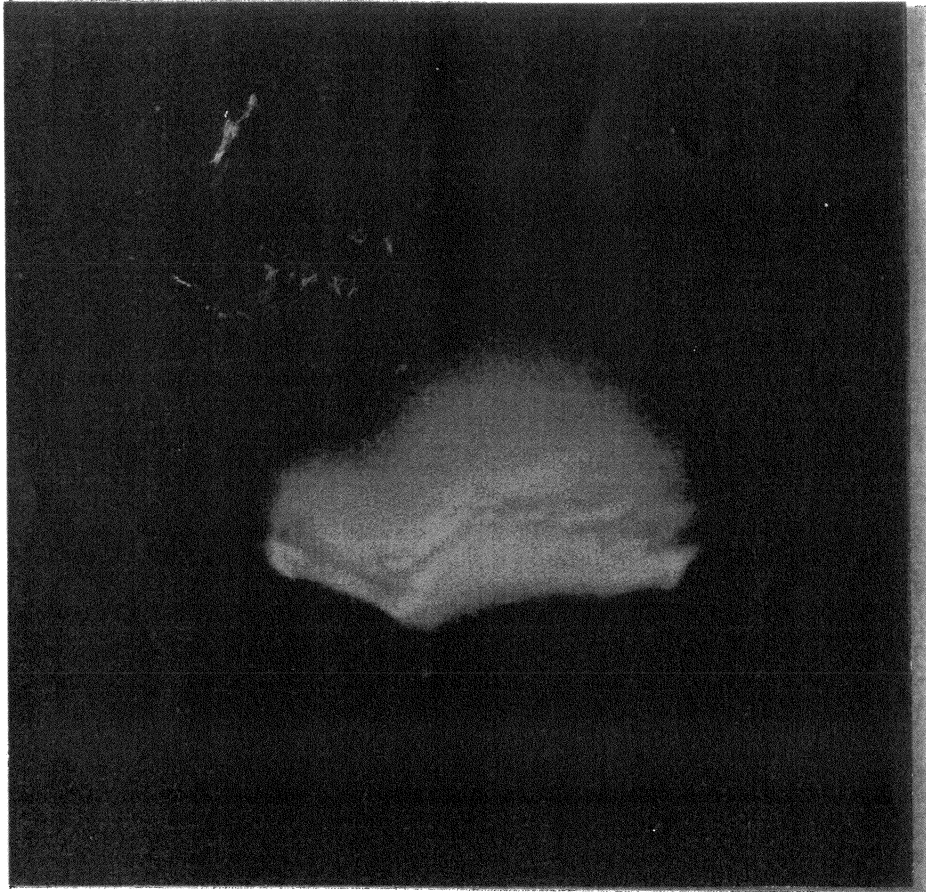


Fig.2A

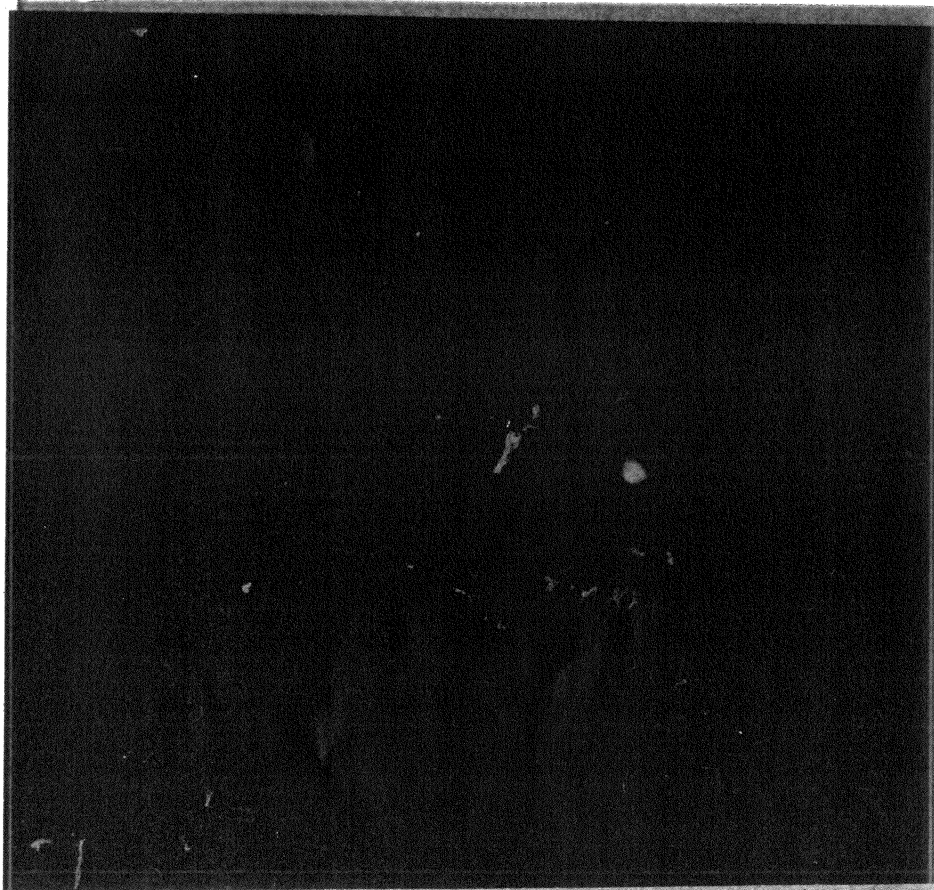


Fig.2B

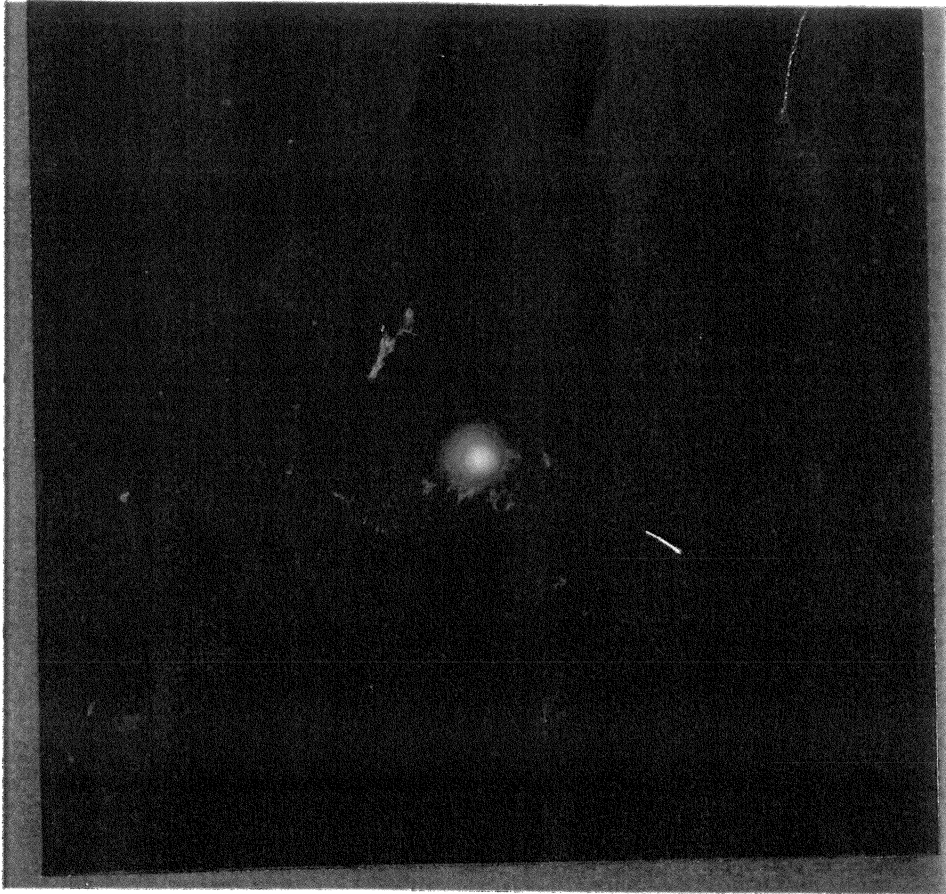


Fig.2C

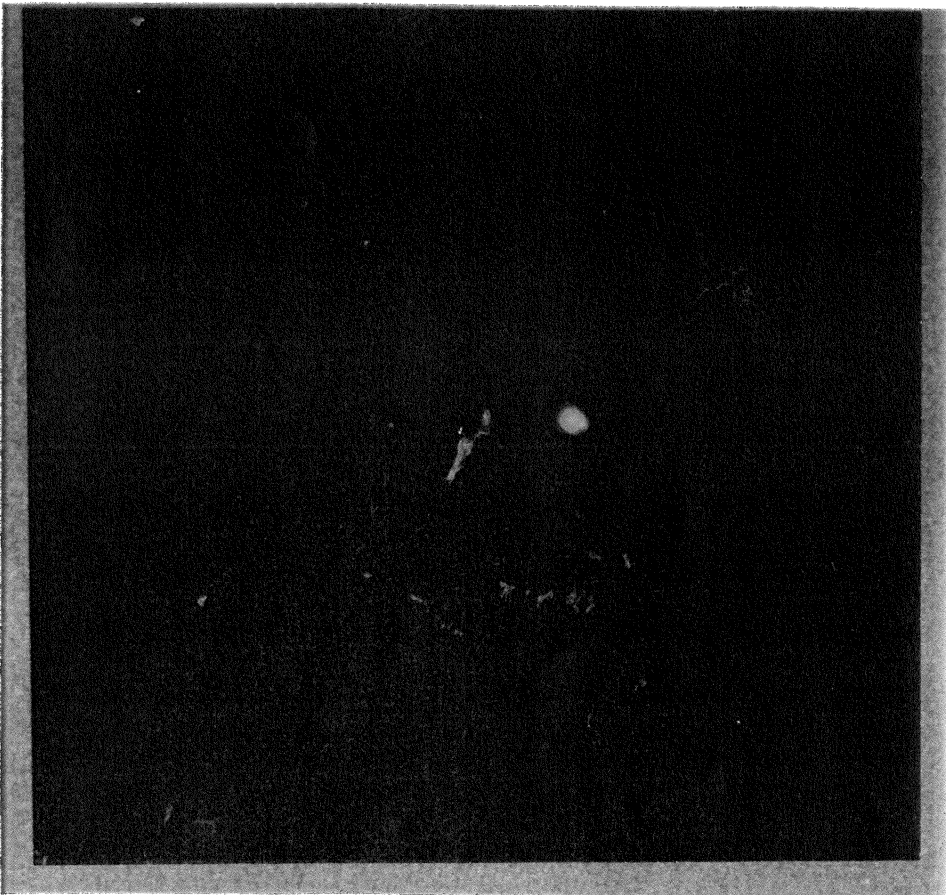


Fig.3

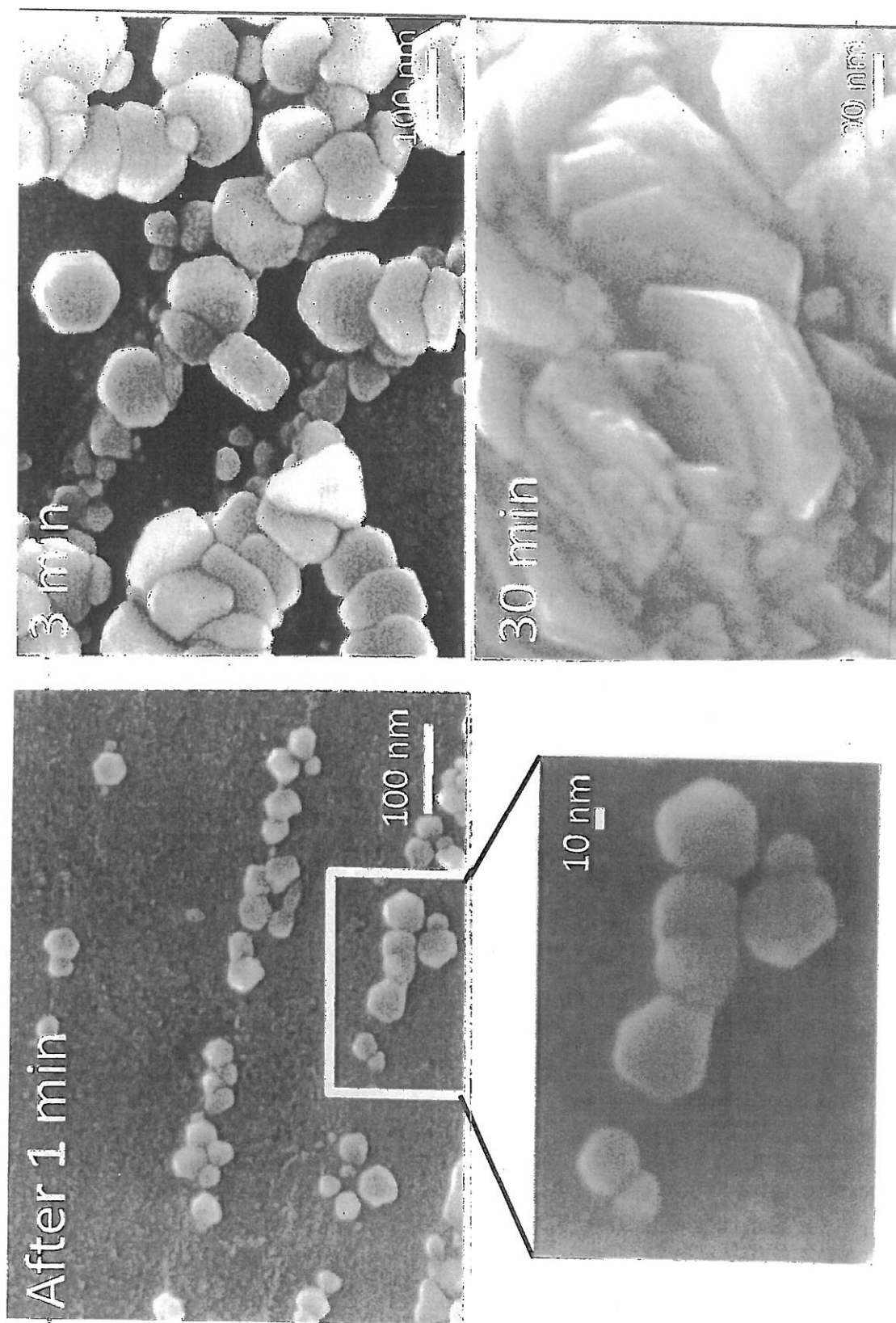


Fig.4

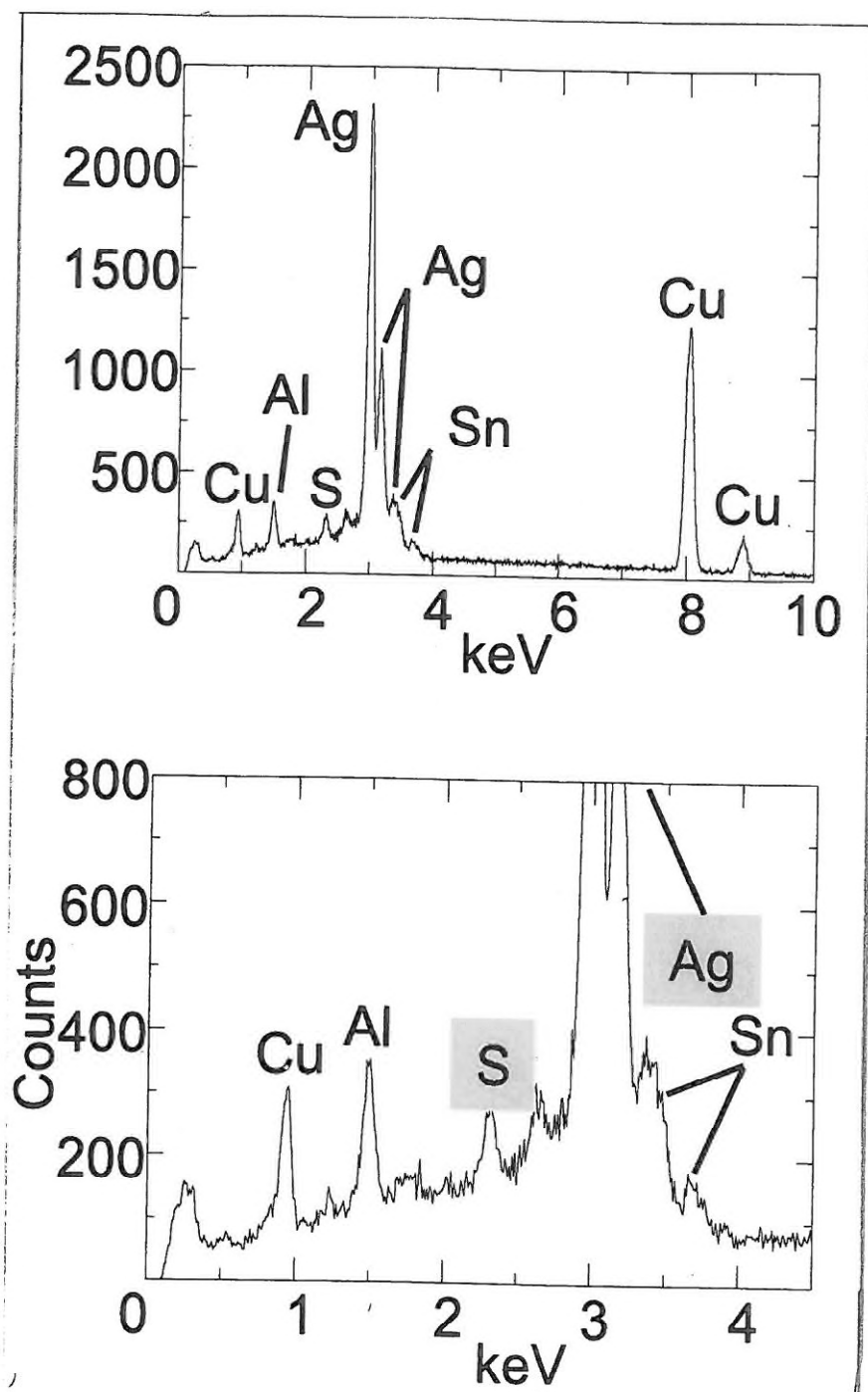
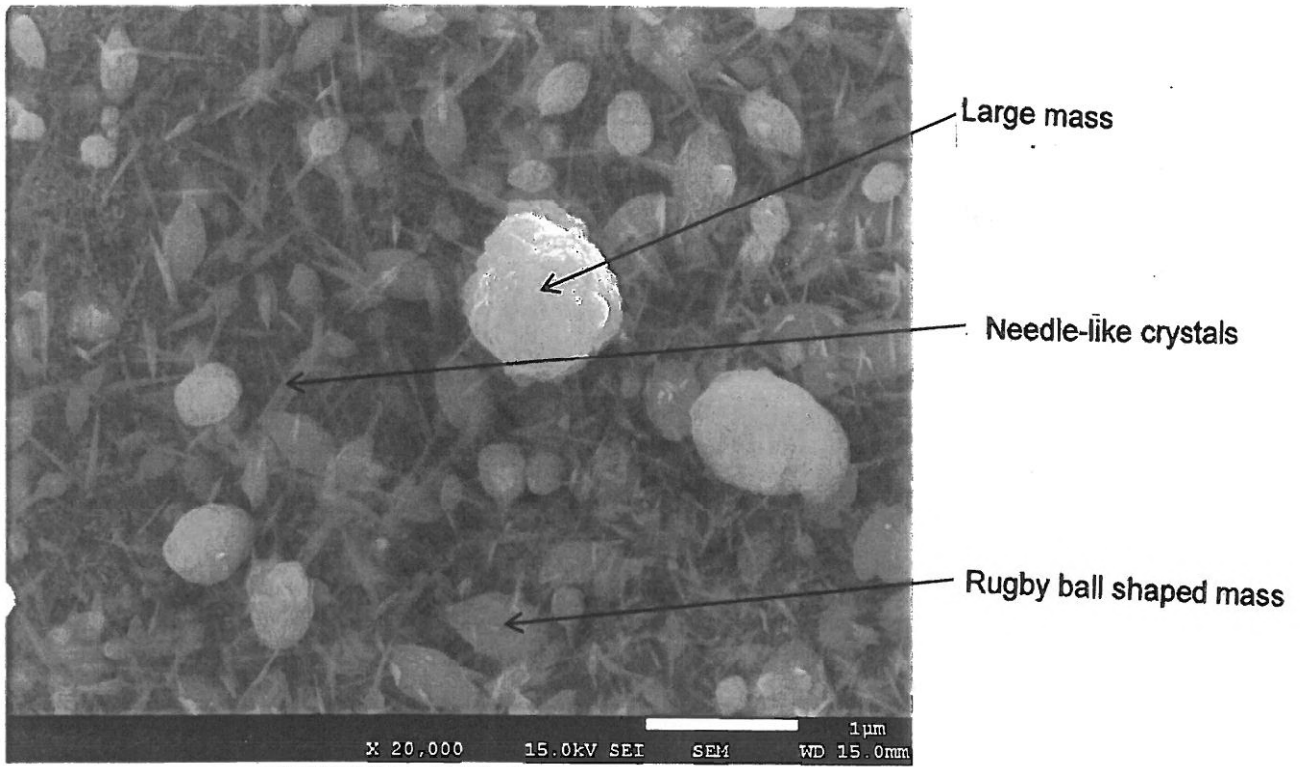


Fig.5



Made by Masafumi Fukuzumi in Hyogo Industry
Technology Center

Fig.6A

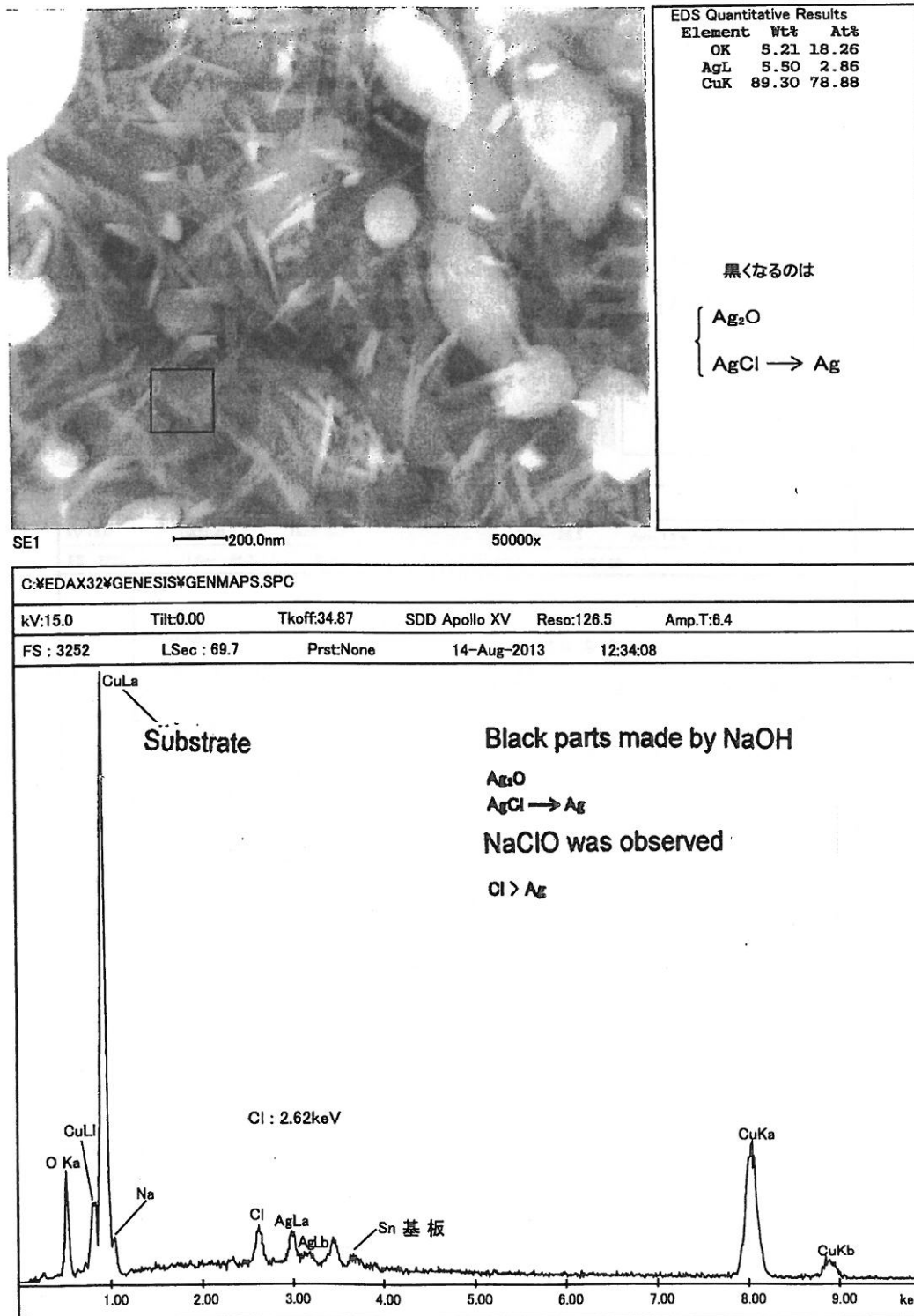


Fig.6B

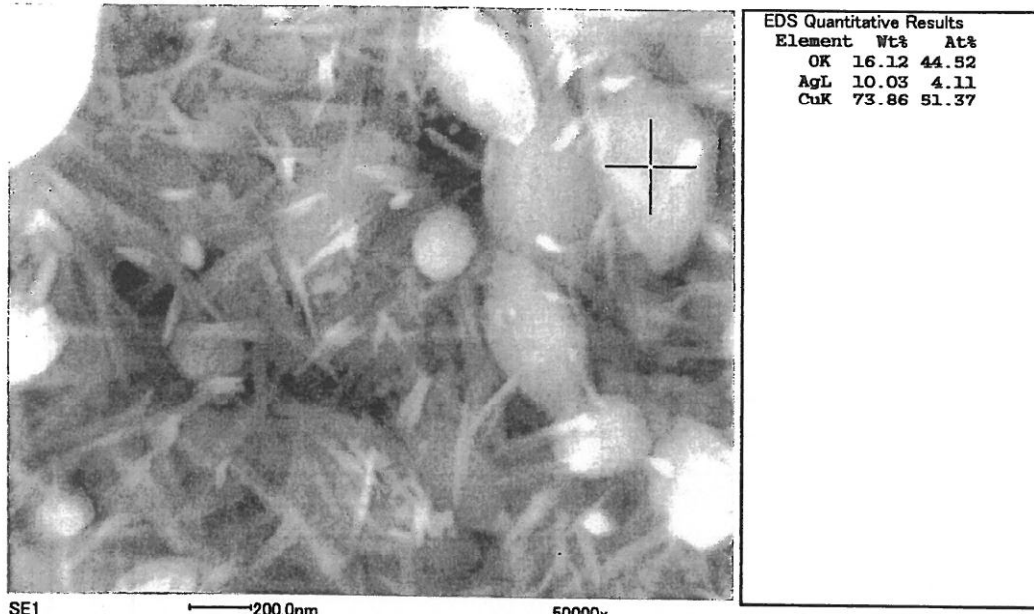
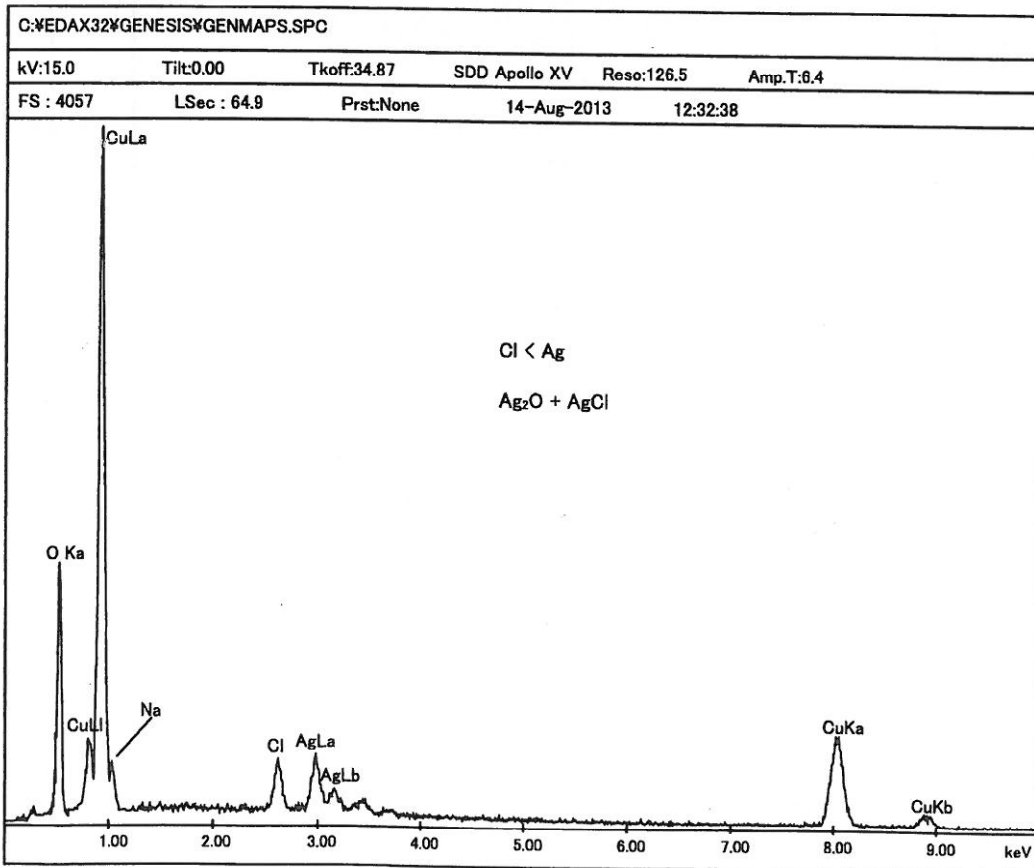


Fig.6C

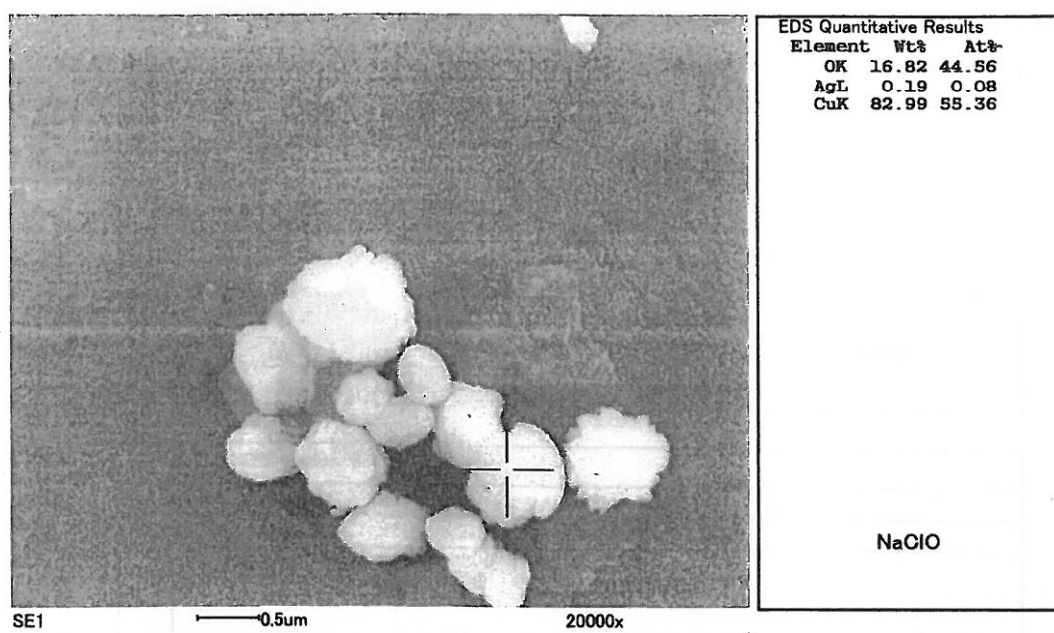
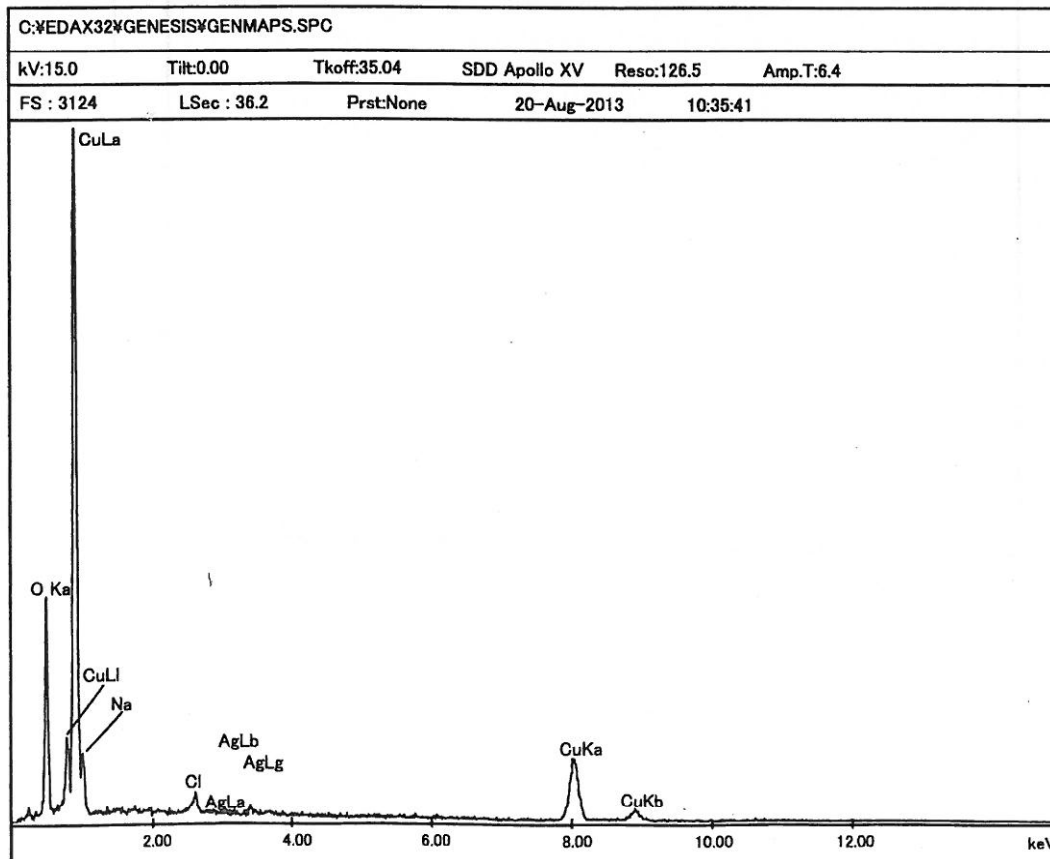


Fig.7

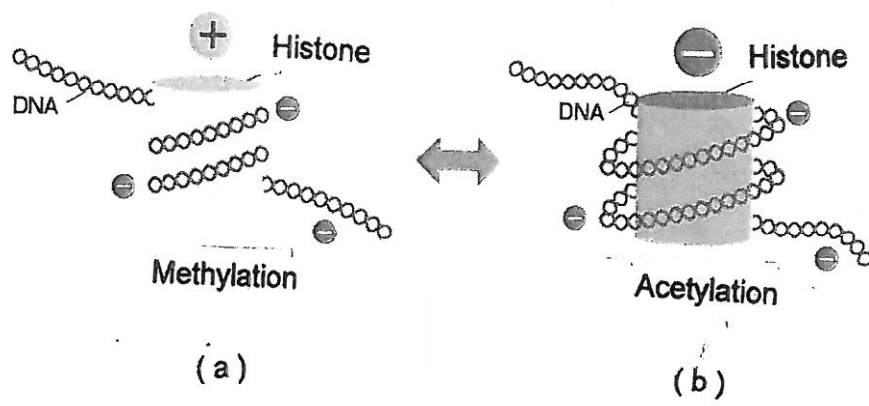


Fig.8

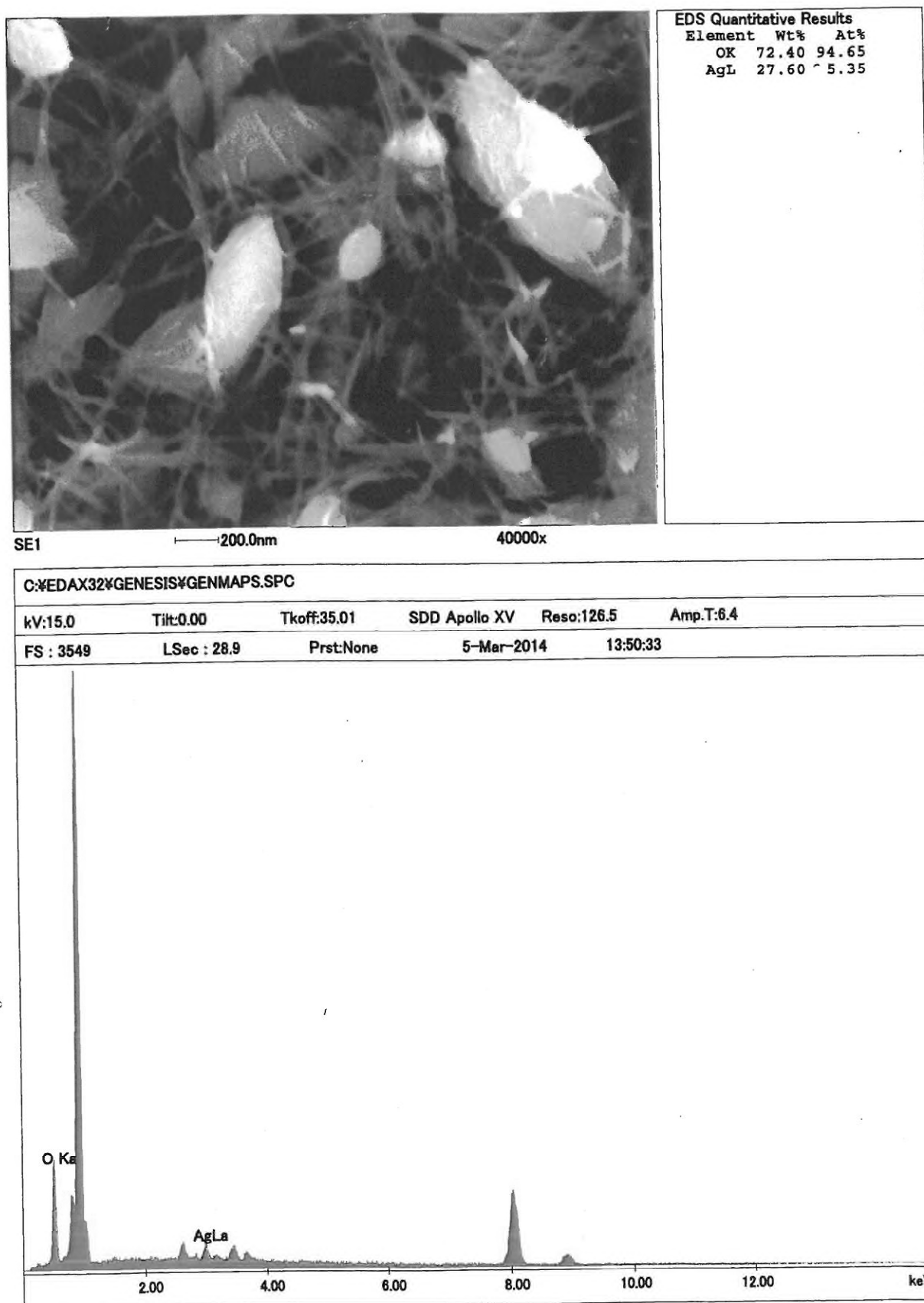


Fig.9

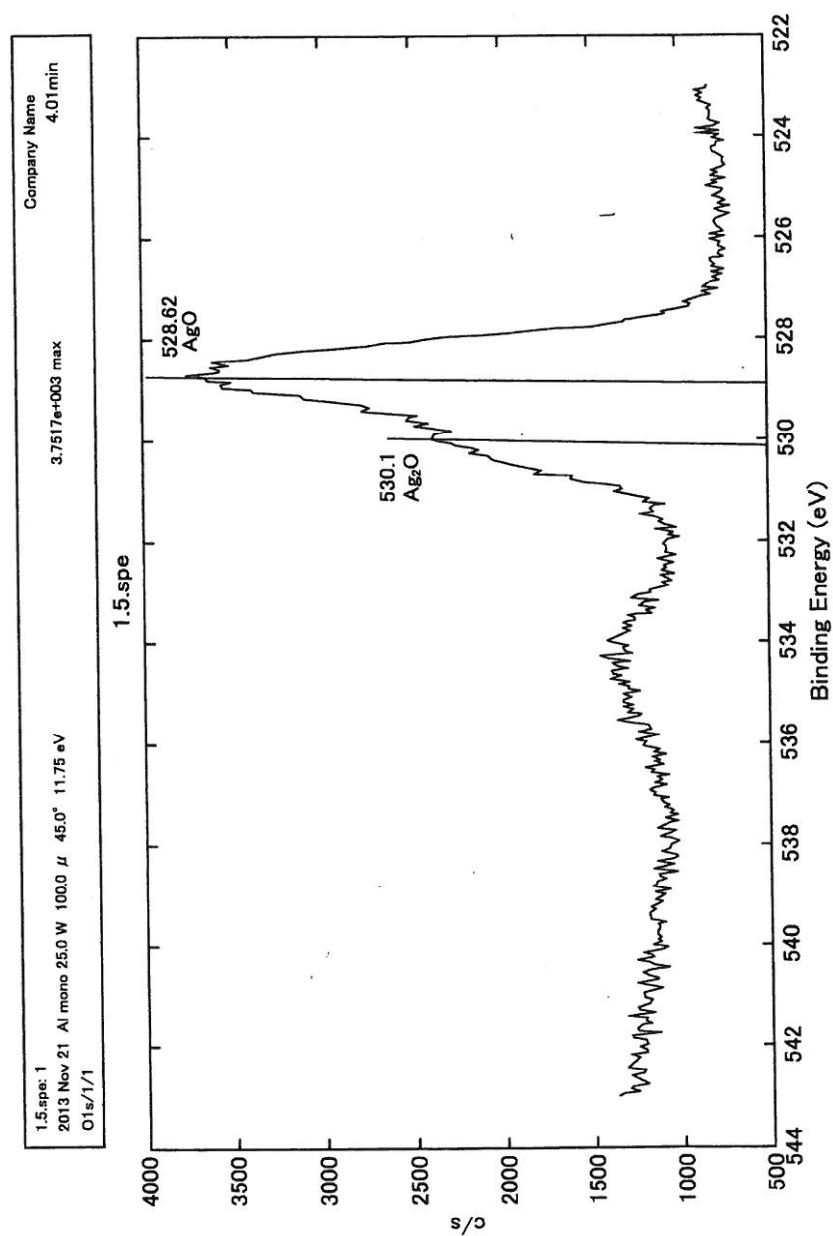


Fig.10

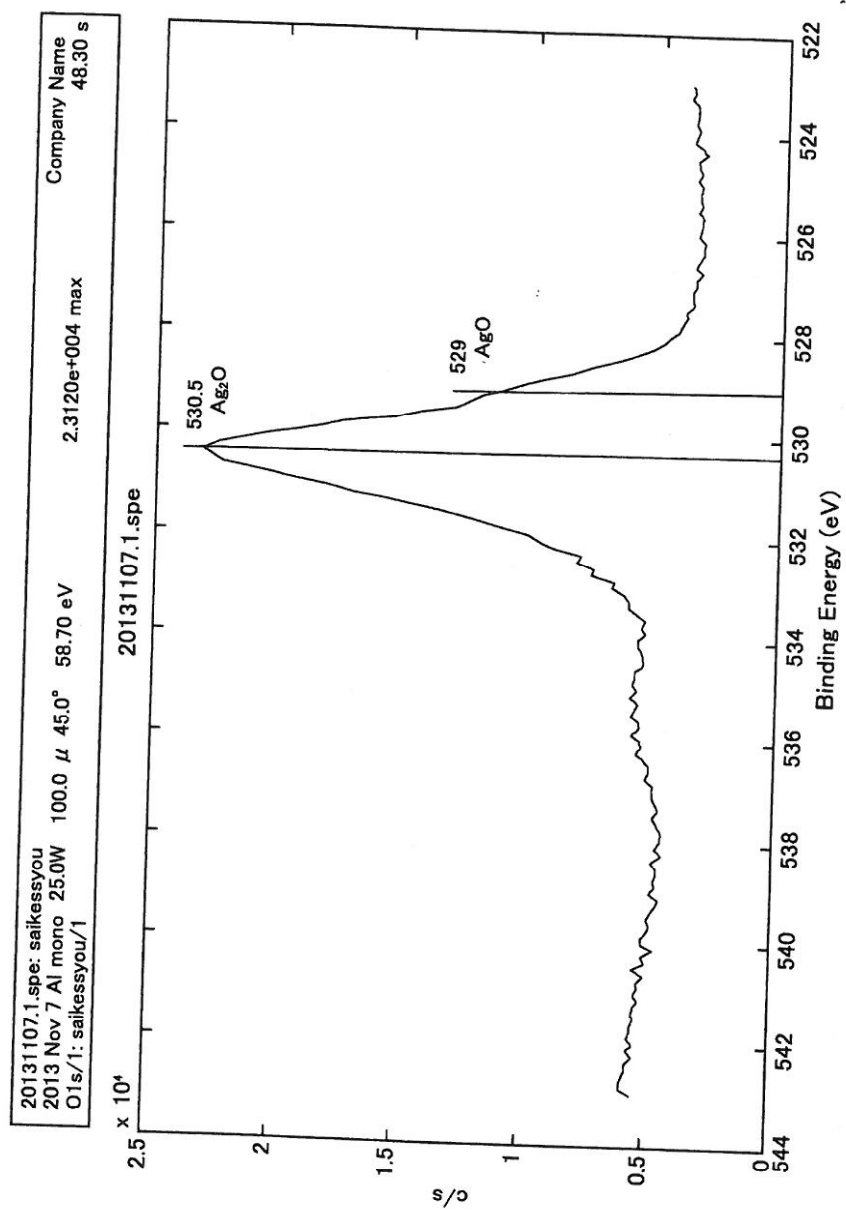
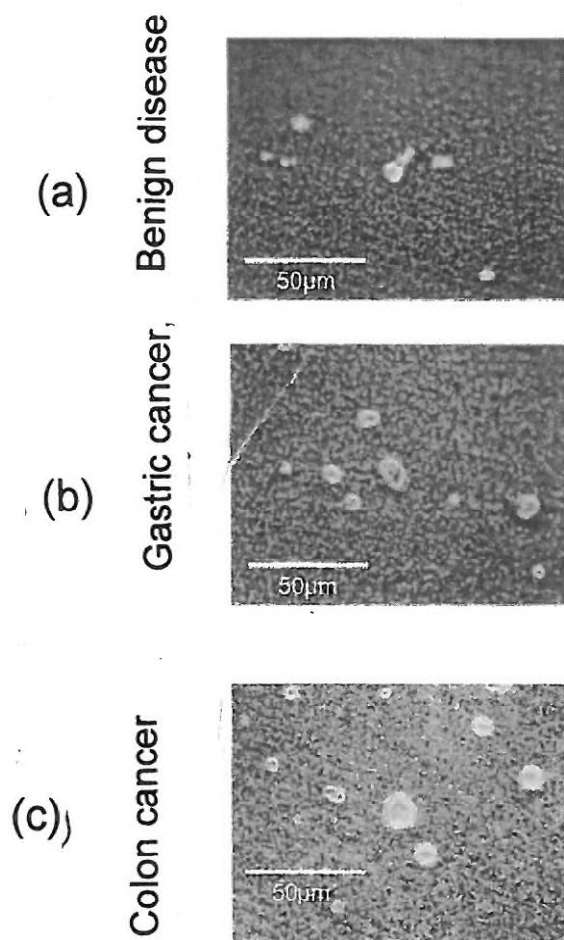


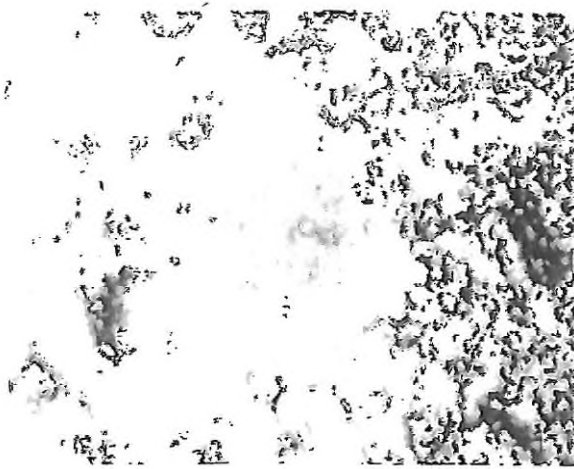
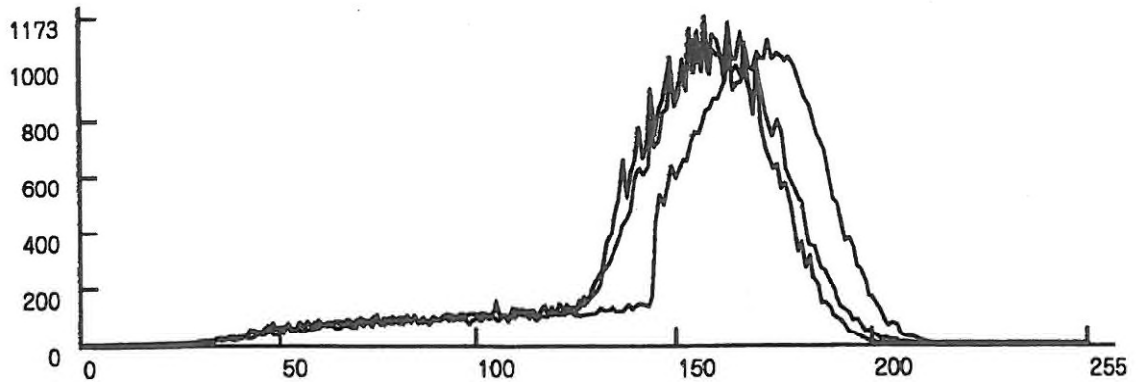
Fig.11



Fluorescence image of the cancer-related substance

Magnification:500-fold

Fig.12A

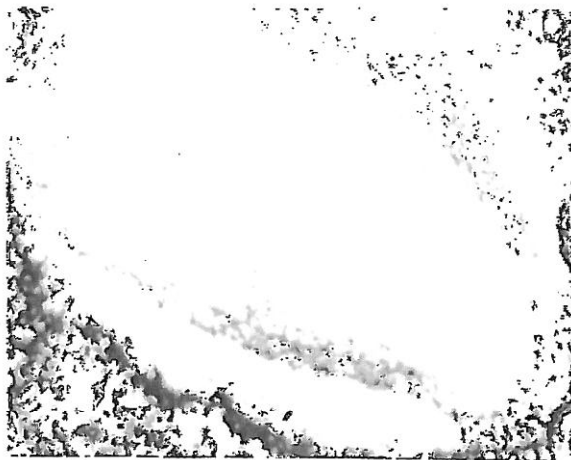
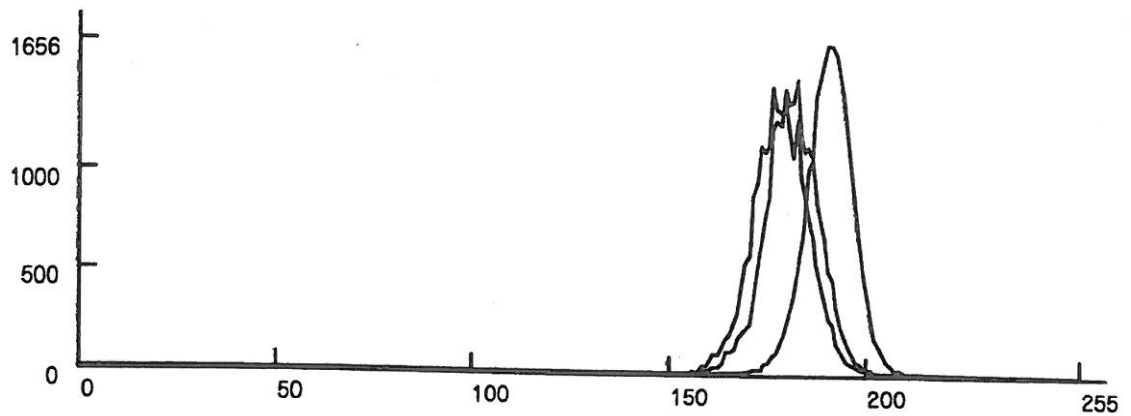


	Area	Rate of Area	Average	Max.	Min.	SUM	SD	3 σ	Comment
Total	153888	100.00%	151.86	214	24	23369644	31.10	93.48	
Section 1									
Section 2									
Section 3									
Section 4									
Section 5									
Section 6									
Section 7									
Section 8									
Section 9									
Section 10									

Image to be measured: Laser + colour

Histogram (RGB).

Fig.12B



	Area	Rate of Area	Average	Max.	Min.	SUM	SD	3 σ	Comment
Total	68856	100.00%	183.07	207	167	12605279	6.43	19.30	
Section 1									
Section 2									
Section 3									
Section 4									
Section 5									
Section 6									
Section 7									
Section 8									
Section 9									
Section 10									

Image to be measured: Laser + colour

Histogram (RGB).

Fig.12C

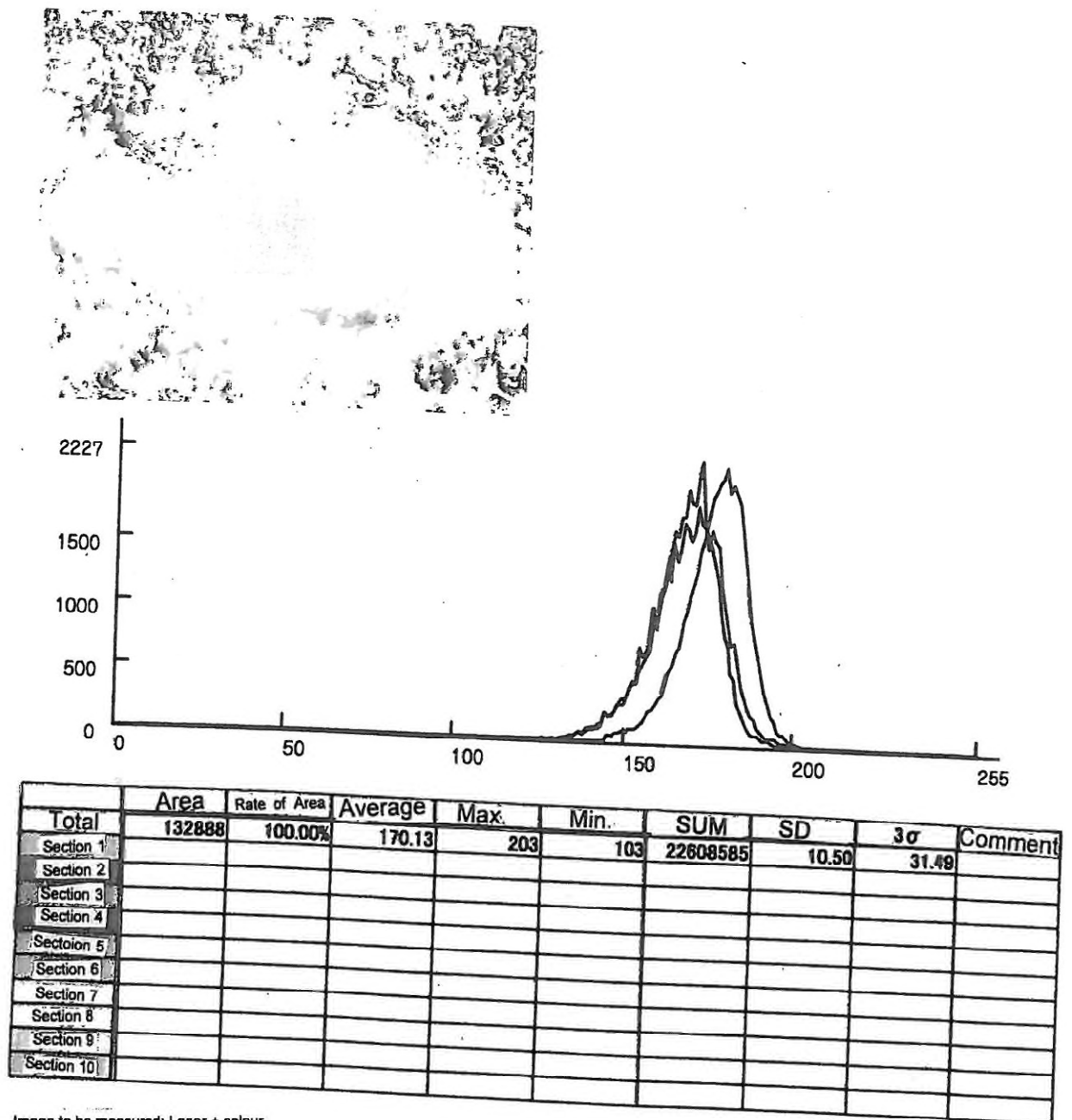


Image to be measured: Laser + colour

Histogram (RGB).

Fig.13

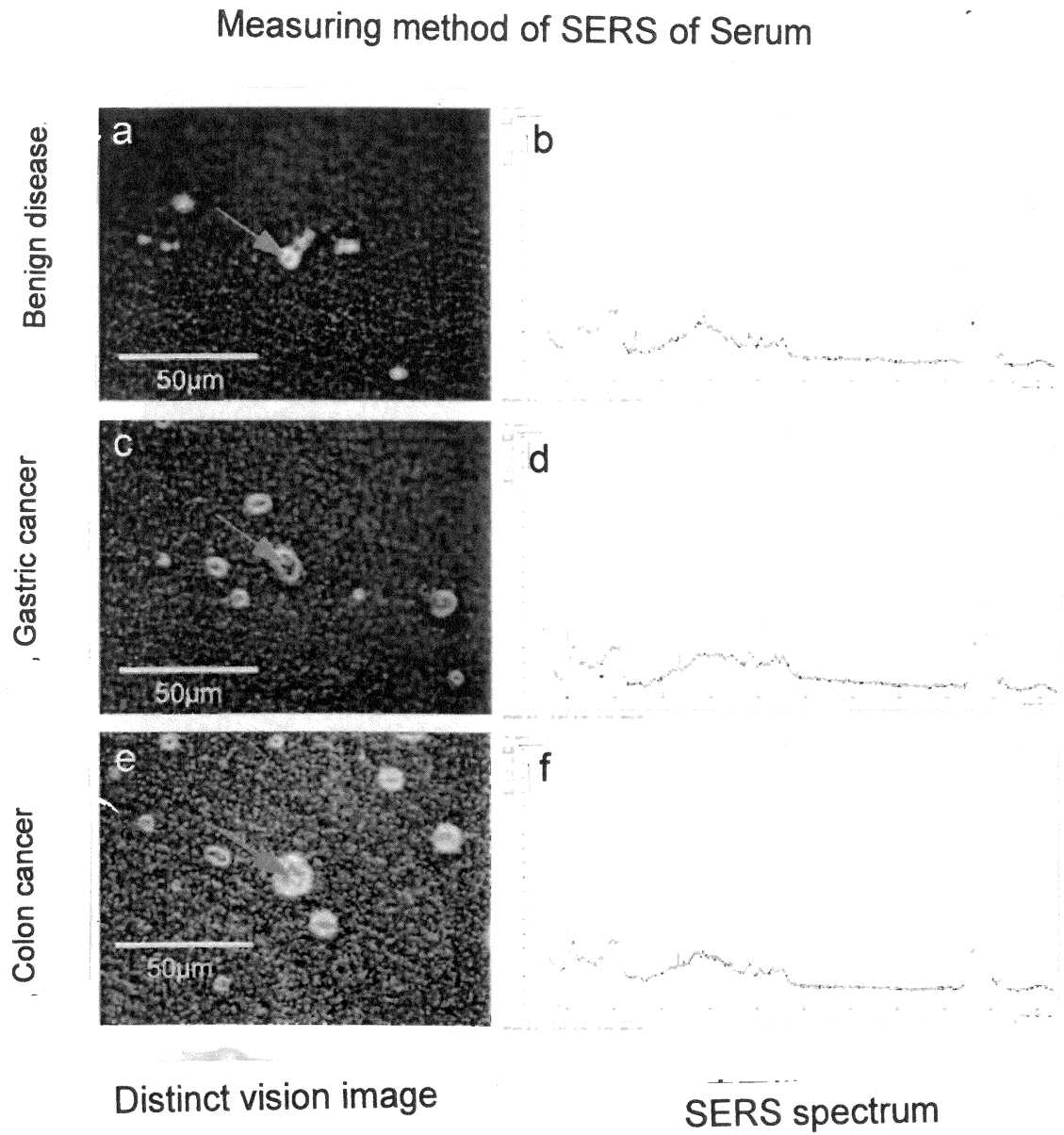


Fig.14

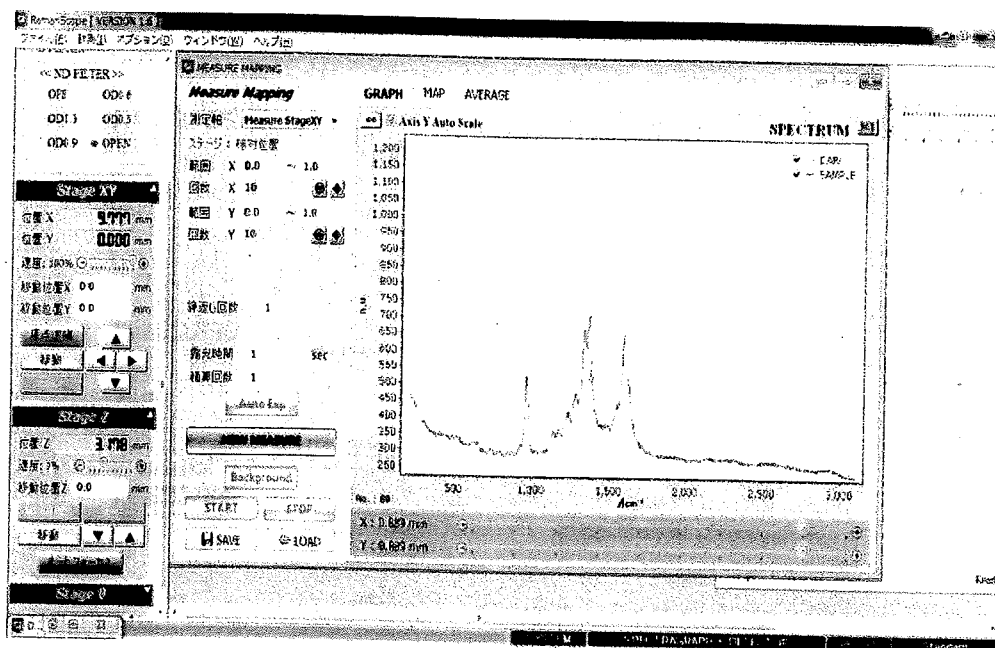


Fig.15

Surface configuration analysis on the plasmonic chip (Patient serum)

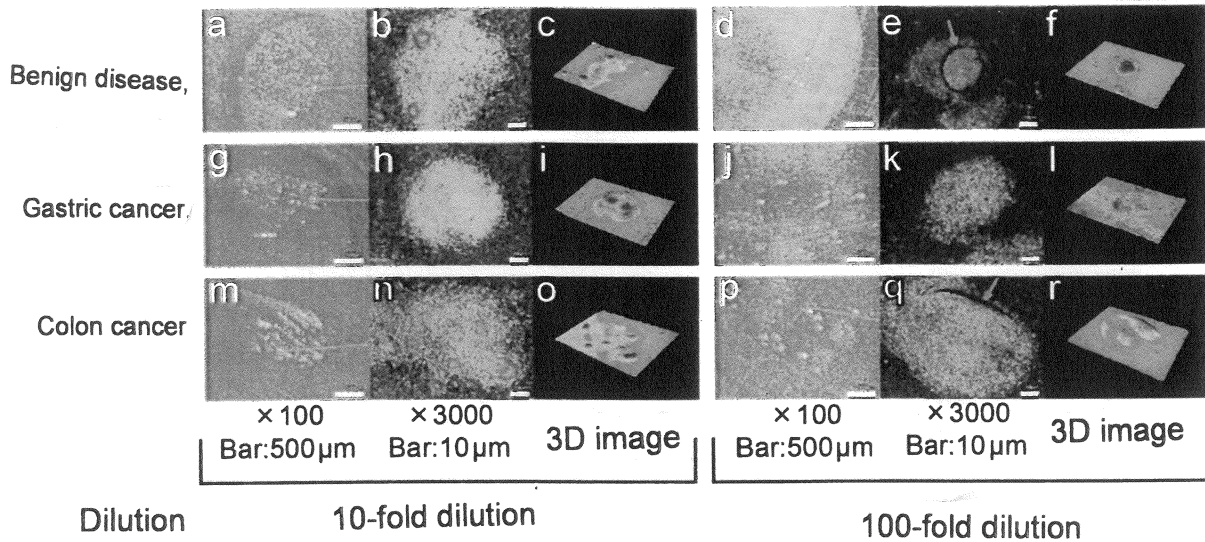
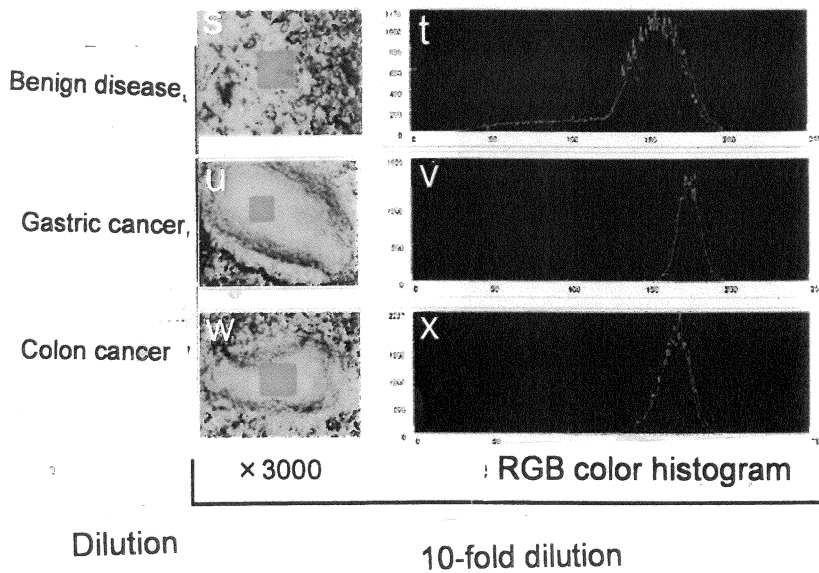


Fig.16

Surface configuration analysis of cultured cancer cell on the plasmonic chip

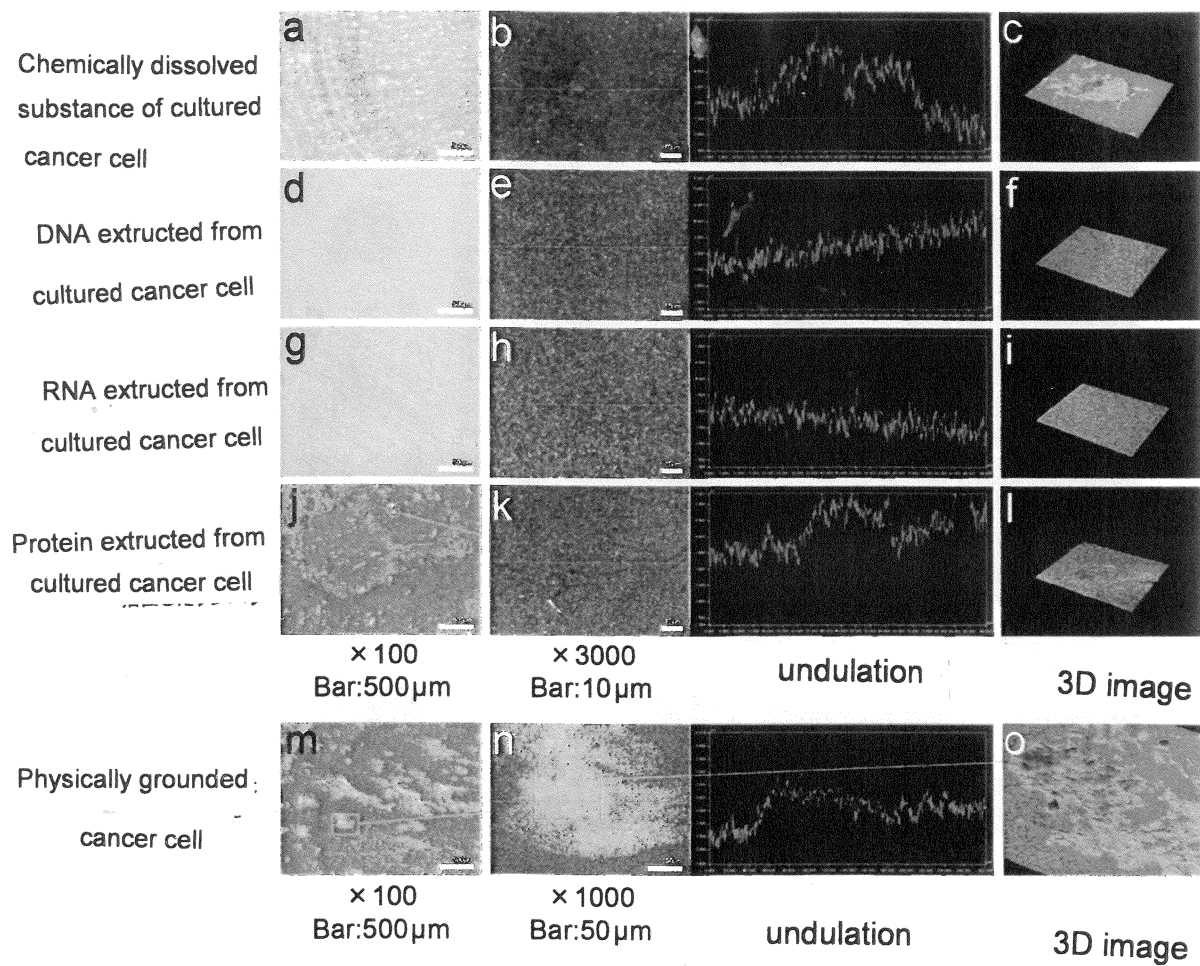
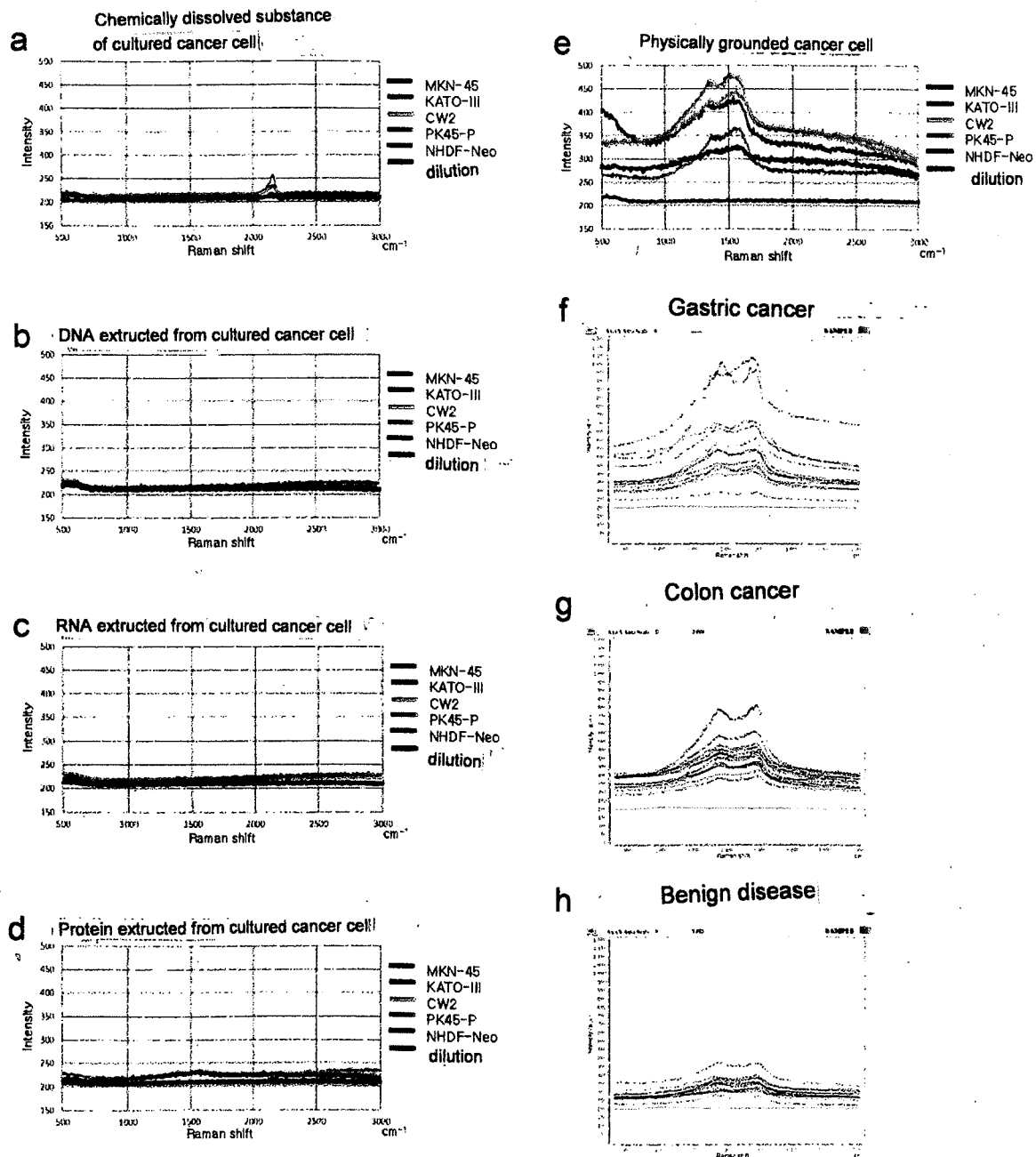


Fig.17

Raman scattering spectra



Methyltransferases
Demethylases



P Phosphorylation

Thinification

THE UNIVERSITY OF CHICAGO

C' Cterminus

Fig.19

Autofluorescence image on plasmonic chip

