

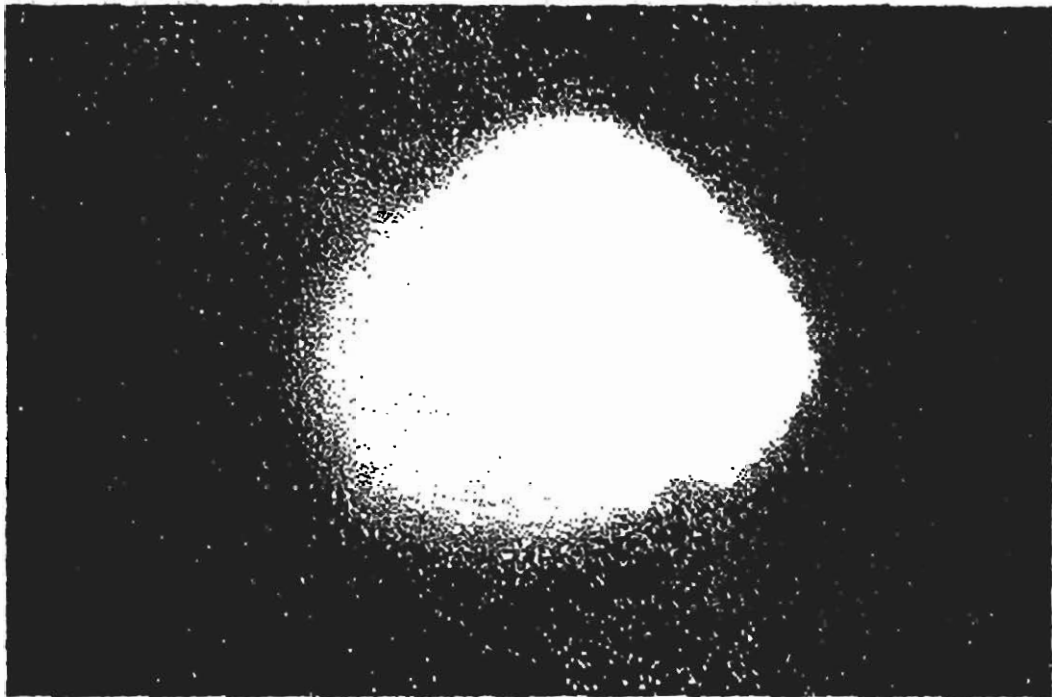
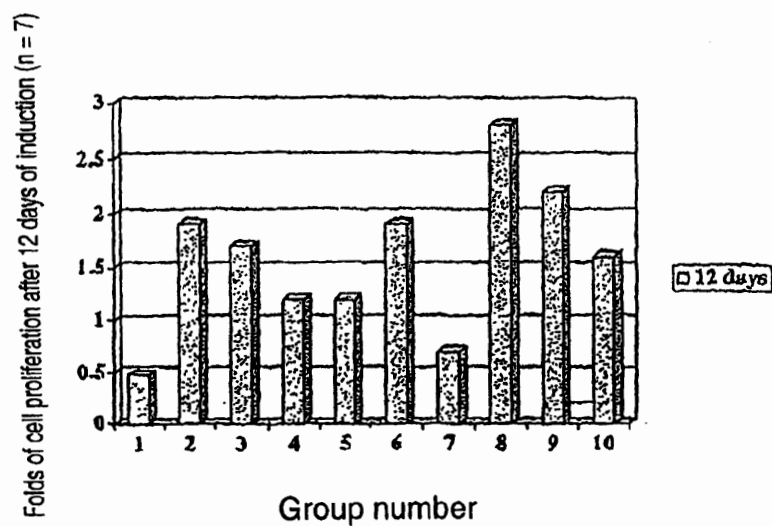


Fig. 1



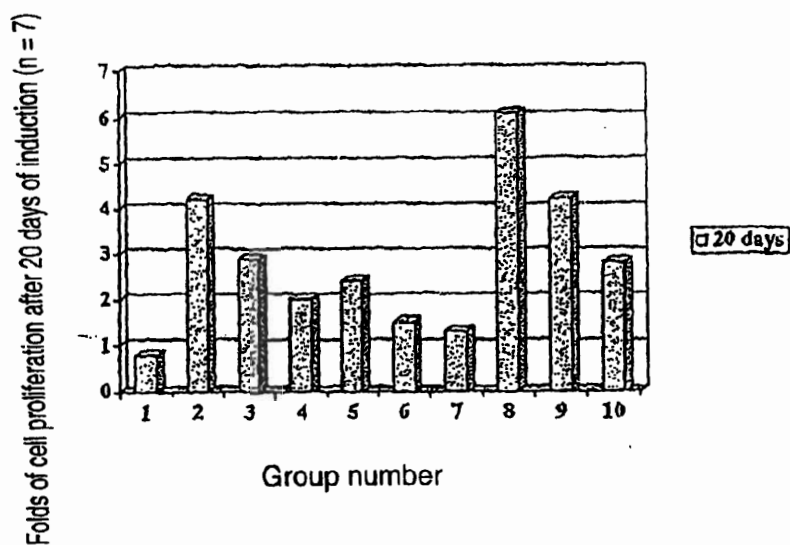
Fig. 2



Groups:

1. Control group, with no test element being added.
2. Experimental group, with 100 ppm silicon element being added.
3. Experimental group, with 50 ppm silicon element being added.
4. Experimental group, with 10 ppm silicon element being added.
5. Experimental group, with 33 ppm calcium element being added.
6. Experimental group, with 16 ppm calcium element being added.
7. Experimental group, with 8 ppm calcium element being added.
8. Experimental group, with 100 ppm silicon element and 33 ppm calcium element being added.
9. Experimental group, with 50 ppm silicon element and 16 ppm calcium element being added.
10. Experimental group, with 33 ppm silicon element and 8 ppm calcium element being added.

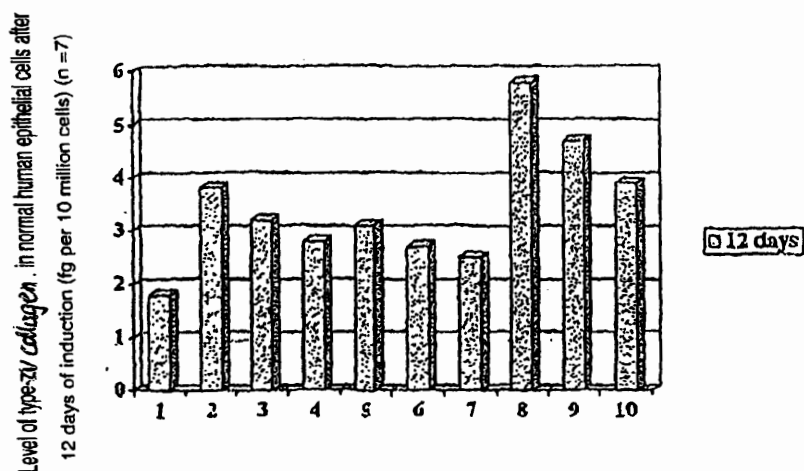
Fig. 3a



Groups:

1. Control group, with no test element being added.
2. Experimental group, with 100 ppm silicon element being added.
3. Experimental group, with 50 ppm silicon element being added.
4. Experimental group, with 10 ppm silicon element being added.
5. Experimental group, with 33 ppm calcium element being added.
6. Experimental group, with 16 ppm calcium element being added.
7. Experimental group, with 8 ppm calcium element being added.
8. Experimental group, with 100 ppm silicon element and 33 ppm calcium element being added.
9. Experimental group, with 50 ppm silicon element and 16 ppm calcium element being added.
10. Experimental group, with 33 ppm silicon element and 8 ppm calcium element being added.

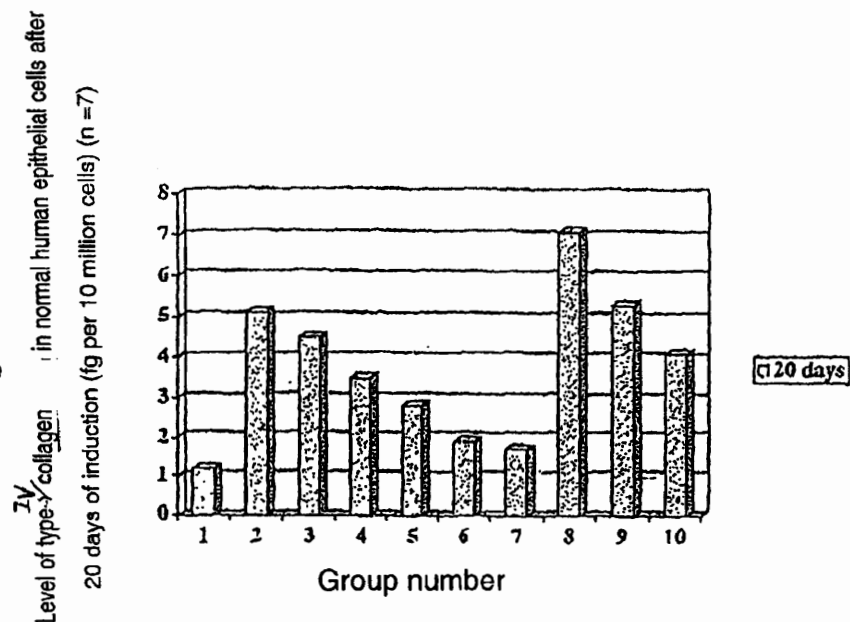
Fig. 3b



Groups:

1. Control group, with no test element being added.
2. Experimental group, with 100 ppm silicon element being added.
3. Experimental group, with 50 ppm silicon element being added.
4. Experimental group, with 10 ppm silicon element being added.
5. Experimental group, with 33 ppm calcium element being added.
6. Experimental group, with 16 ppm calcium element being added.
7. Experimental group, with 8 ppm calcium element being added.
8. Experimental group, with 100 ppm silicon element and 33 ppm calcium element being added.
9. Experimental group, with 50 ppm silicon element and 16 ppm calcium element being added.
10. Experimental group, with 33 ppm silicon element and 8 ppm calcium element being added.

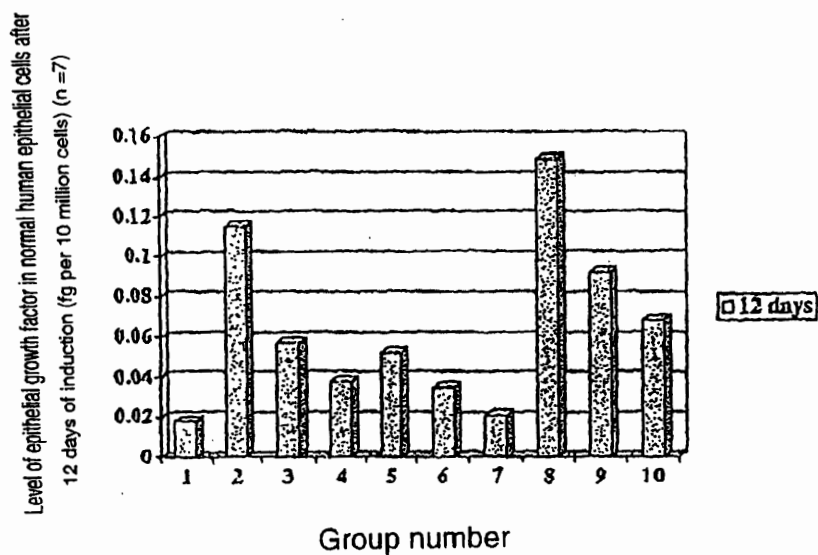
Fig. 4a



Groups:

1. Control group, with no test element being added.
2. Experimental group, with 100 ppm silicon element being added.
3. Experimental group, with 50 ppm silicon element being added.
4. Experimental group, with 10 ppm silicon element being added.
5. Experimental group, with 33 ppm calcium element being added.
6. Experimental group, with 16 ppm calcium element being added.
7. Experimental group, with 8 ppm calcium element being added.
8. Experimental group, with 100 ppm silicon element and 33 ppm calcium element being added.
9. Experimental group, with 50 ppm silicon element and 16 ppm calcium element being added.
10. Experimental group, with 33 ppm silicon element and 8 ppm calcium element being added.

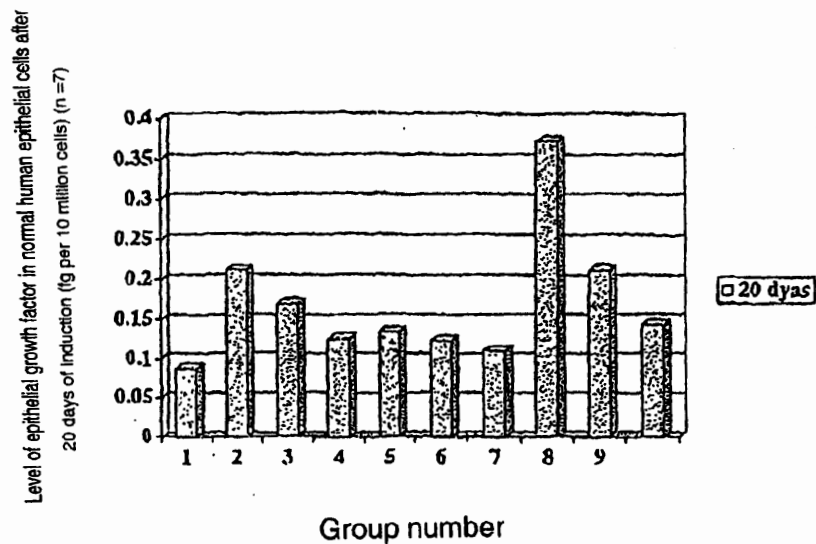
Fig. 4b



Groups:

1. Control group, with no test element being added.
2. Experimental group, with 100 ppm silicon element being added.
3. Experimental group, with 50 ppm silicon element being added.
4. Experimental group, with 10 ppm silicon element being added.
5. Experimental group, with 33 ppm calcium element being added.
6. Experimental group, with 16 ppm calcium element being added.
7. Experimental group, with 8 ppm calcium element being added.
8. Experimental group, with 100 ppm silicon element and 33 ppm calcium element being added.
9. Experimental group, with 50 ppm silicon element and 16 ppm calcium element being added.
10. Experimental group, with 33 ppm silicon element and 8 ppm calcium element being added.

Fig. 5a

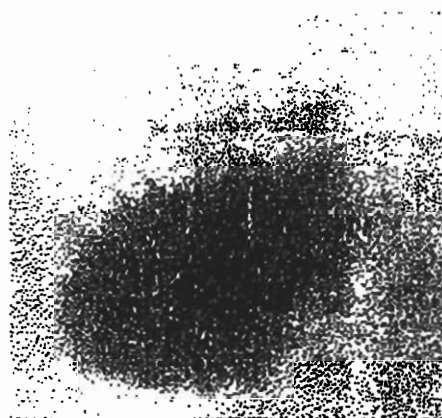
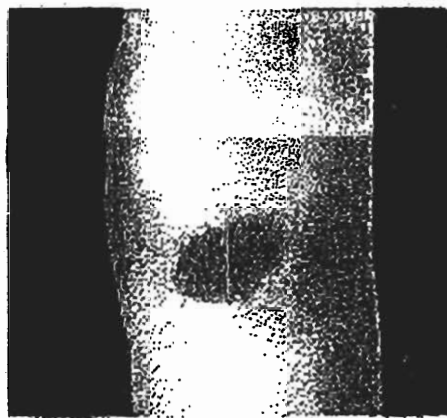


Groups:

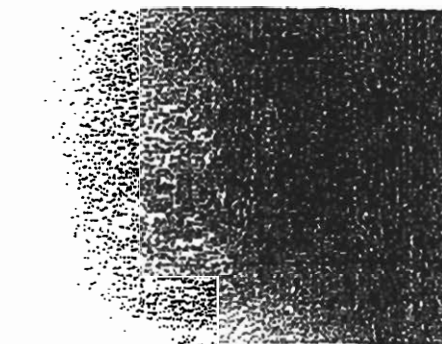
1. Control group, with no test element being added.
2. Experimental group, with 100 ppm silicon element being added.
3. Experimental group, with 50 ppm silicon element being added.
4. Experimental group, with 10 ppm silicon element being added.
5. Experimental group, with 33 ppm calcium element being added.
6. Experimental group, with 16 ppm calcium element being added.
7. Experimental group, with 8 ppm calcium element being added.
8. Experimental group, with 100 ppm silicon element and 33 ppm calcium element being added.
9. Experimental group, with 50 ppm silicon element and 16 ppm calcium element being added.
10. Experimental group, with 33 ppm silicon element and 8 ppm calcium element being added.

Fig. 5b

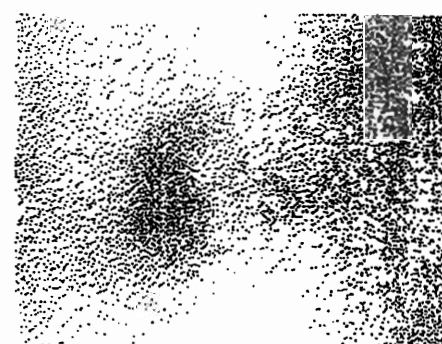
Before the treatment



After 48 hours of the treatment



After 7 days of the treatment



After 4 weeks of the treatment

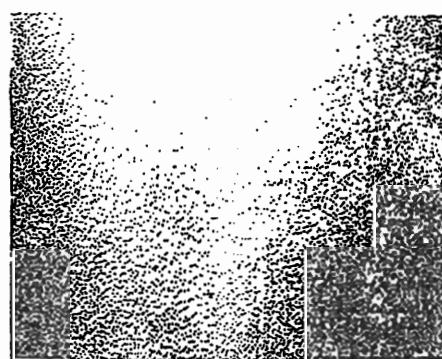
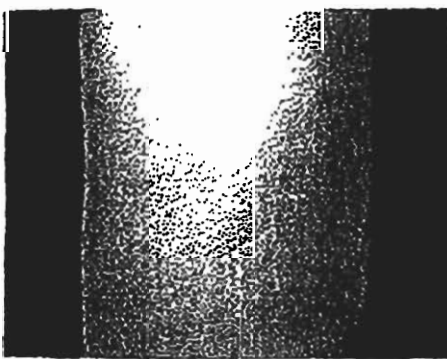


Fig. 6