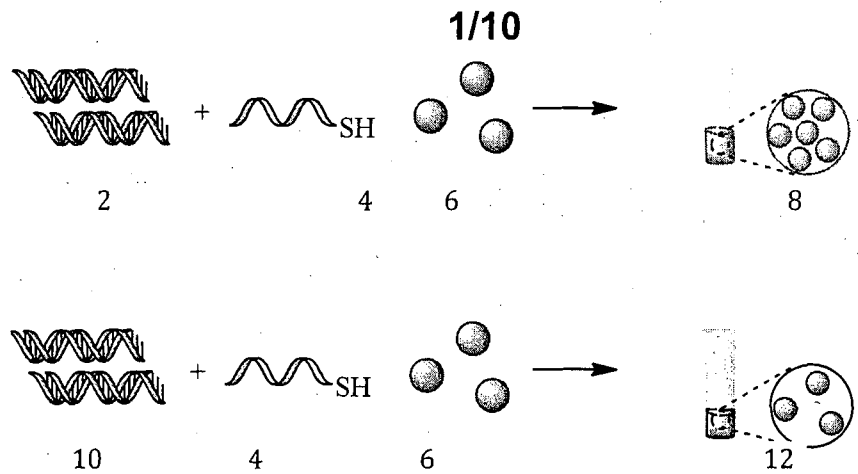
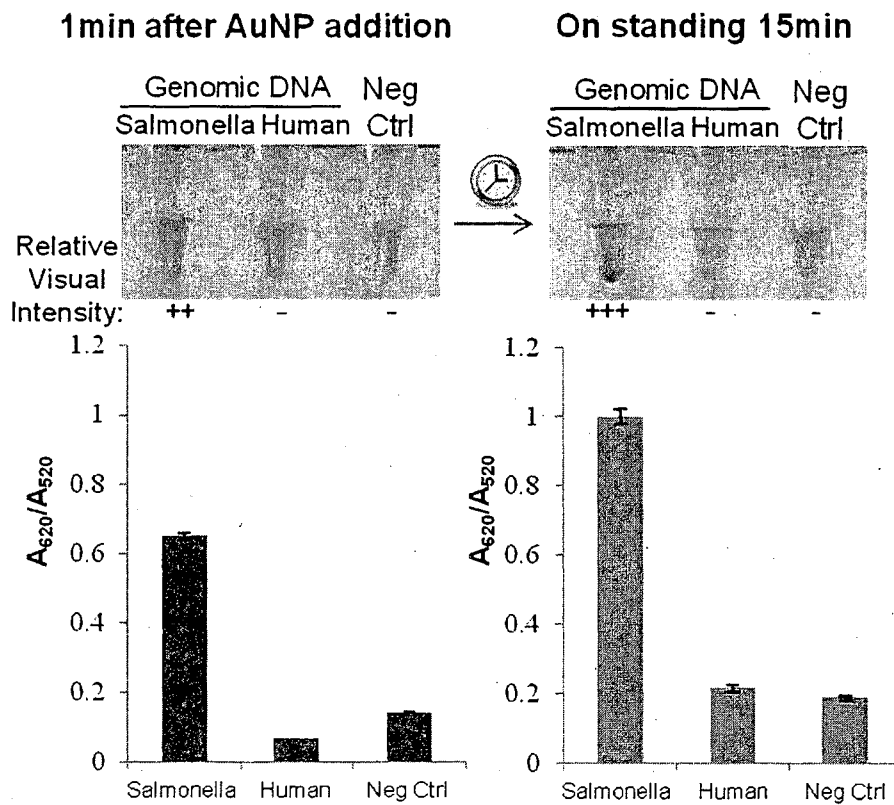
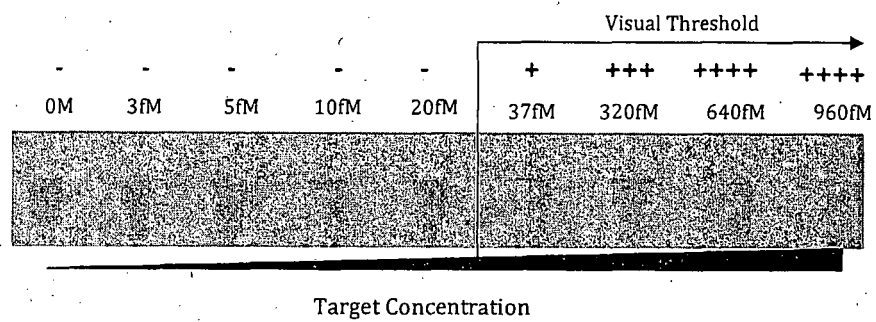


**Figure 1****Figure 2**

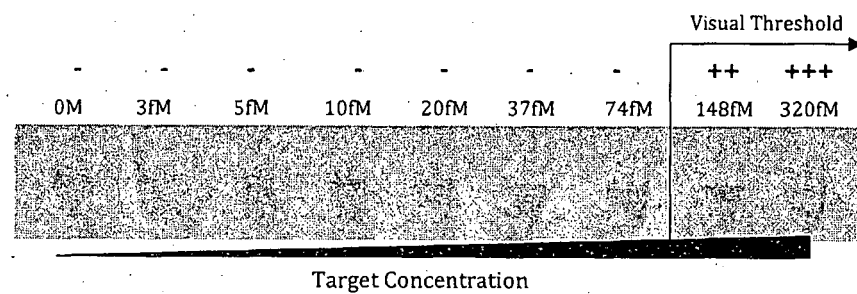
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Figure 3

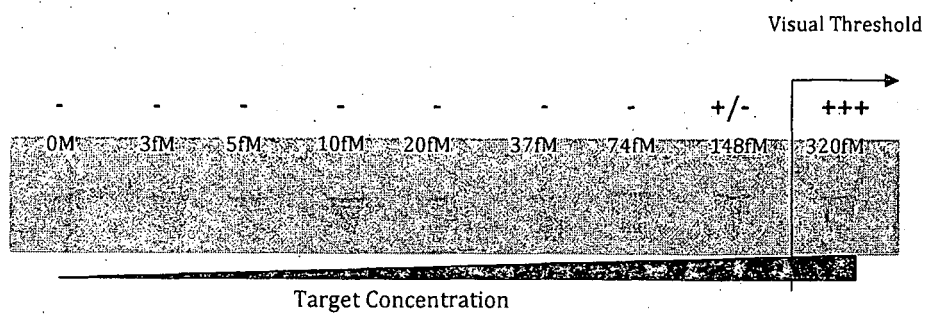
A



B.

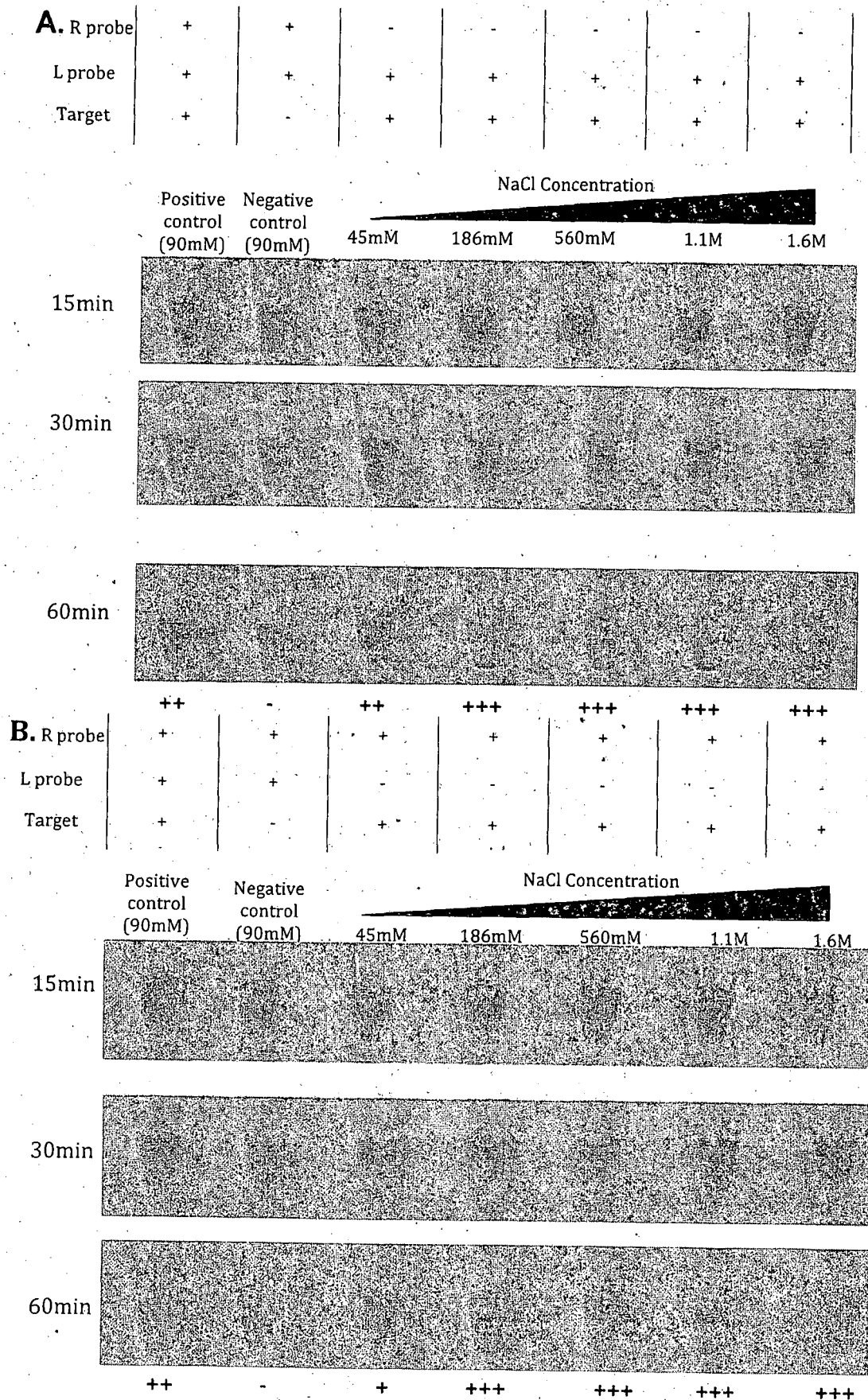


C.



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Figure 4



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C.

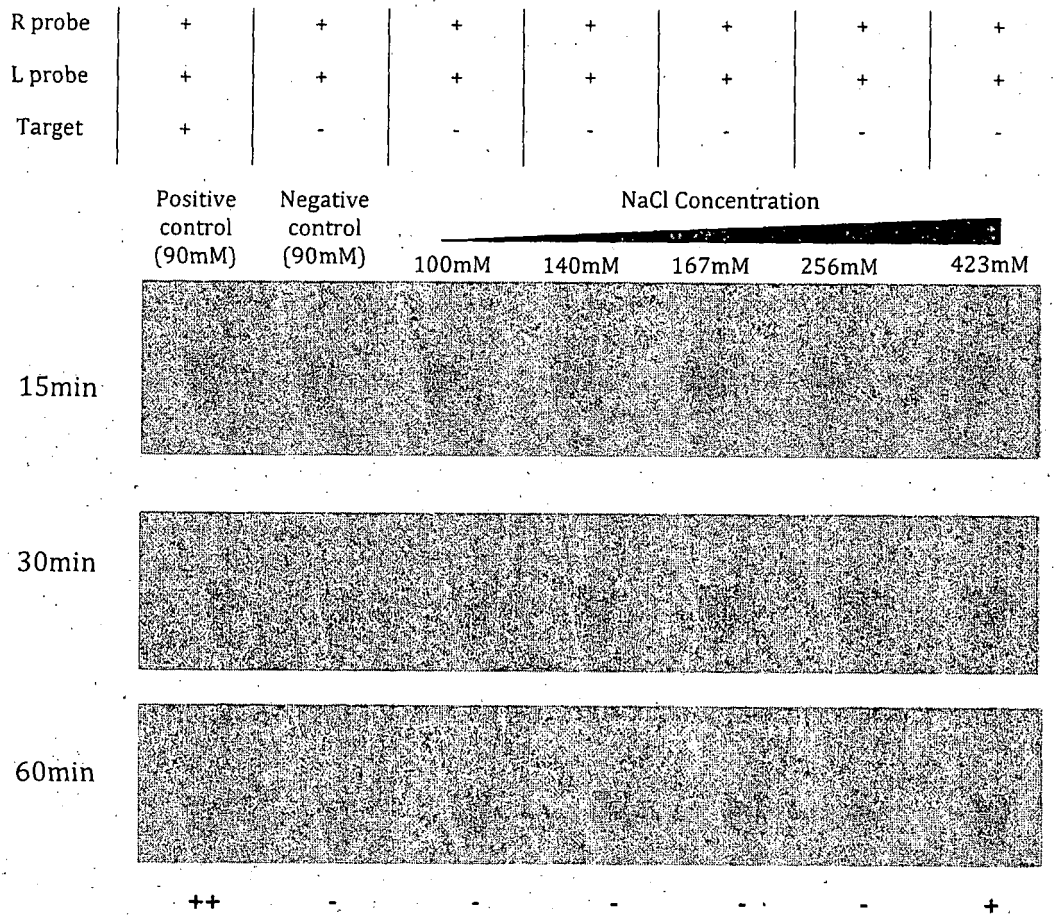
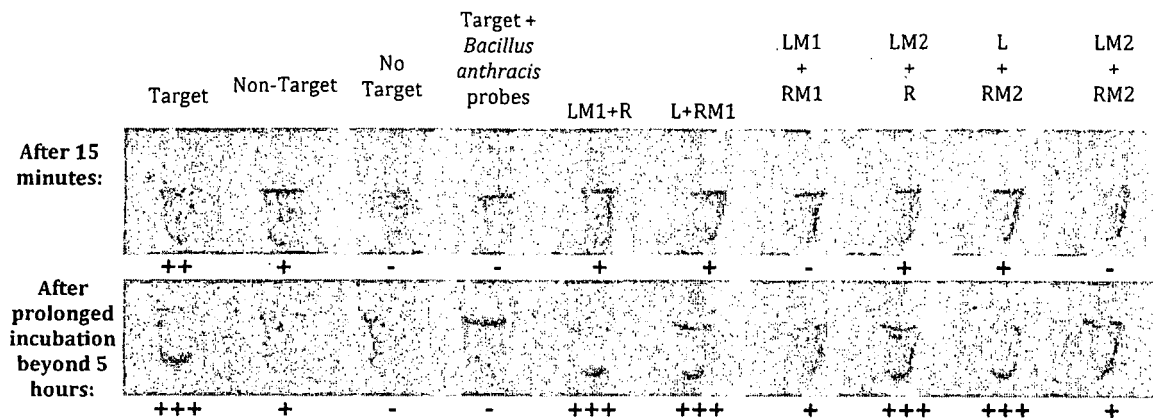
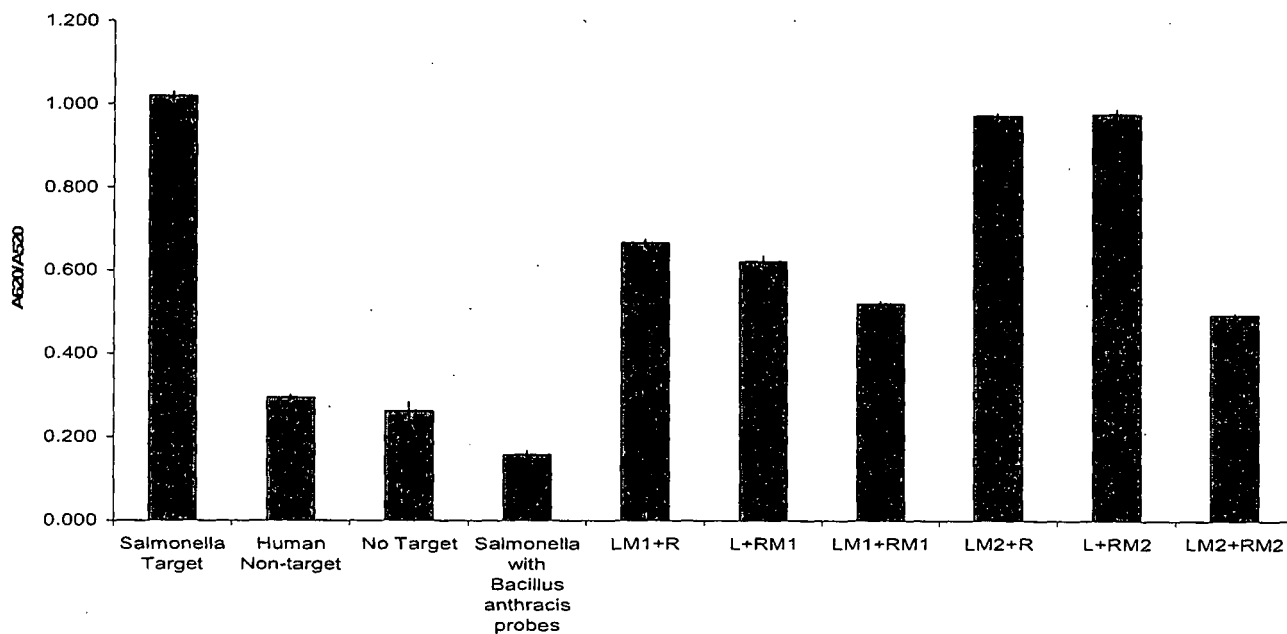


Figure 4.

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**A**

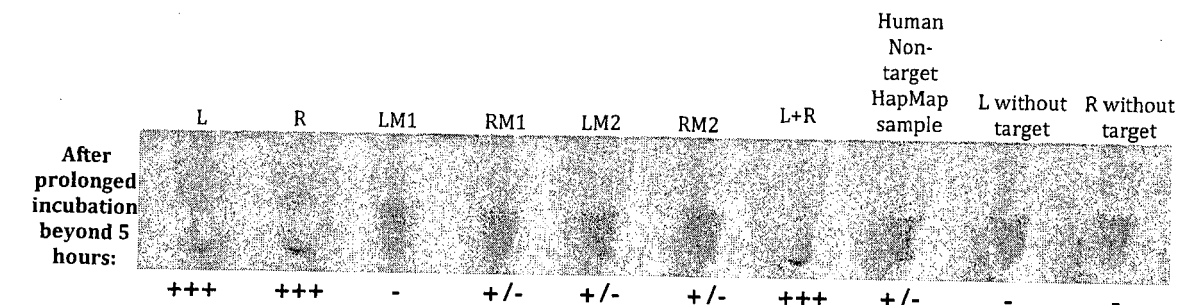
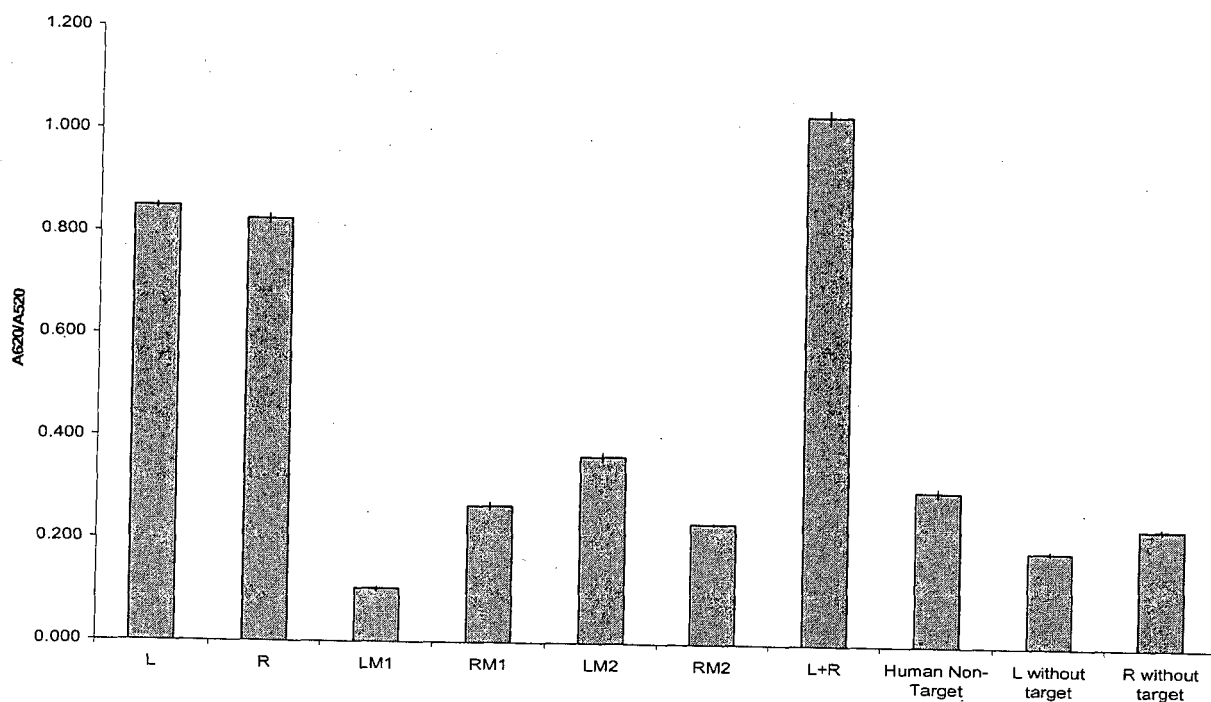


**B**

**Figure 5.**

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A

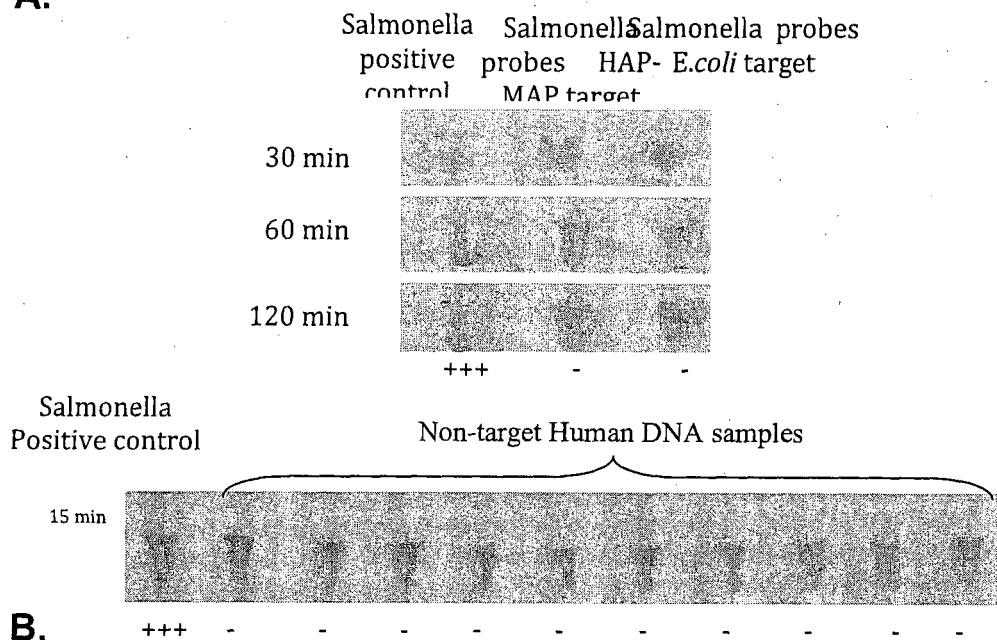


B

Figure 6.

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A.



B.

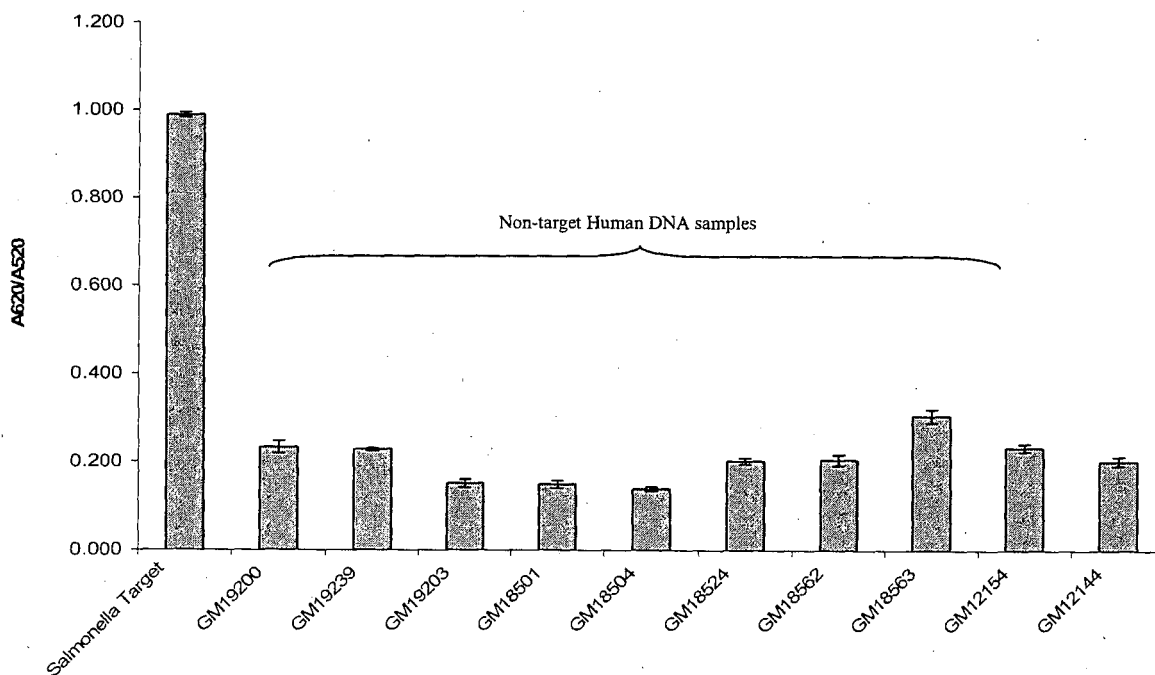
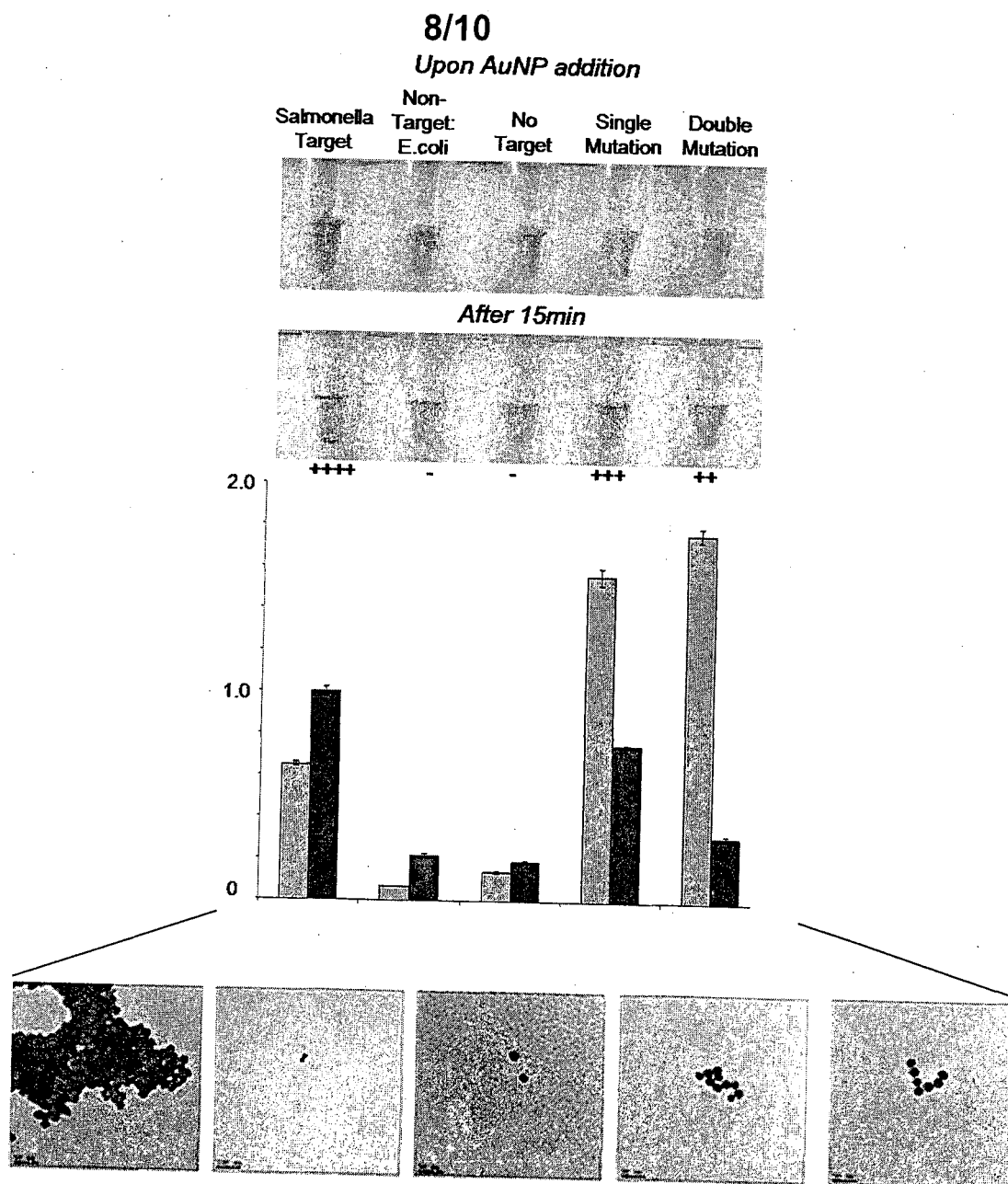
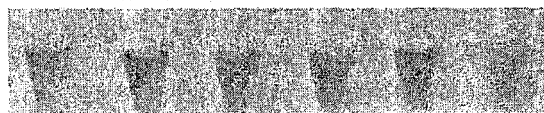


Figure 7.

**Figure 8.**

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|                             |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|
| Salmonella Thiolated probes | - | - | - | + | + | + |
| Salmonella Genomic DNA      | - | - | + | - | - | + |
| Human Genomic DNA           | - | + | - | - | + | - |
| E.coli Thiolated Probes     | + | + | + | - | - | - |
| E.coli Genomic DNA          | + | - | - | + | - | - |
| Gold Nanoparticles (15nm)   | + | + | + | + | + | + |

Visual Signal ( $A_{620}/A_{520}$ )

+++ - - - - +++

After 15 min

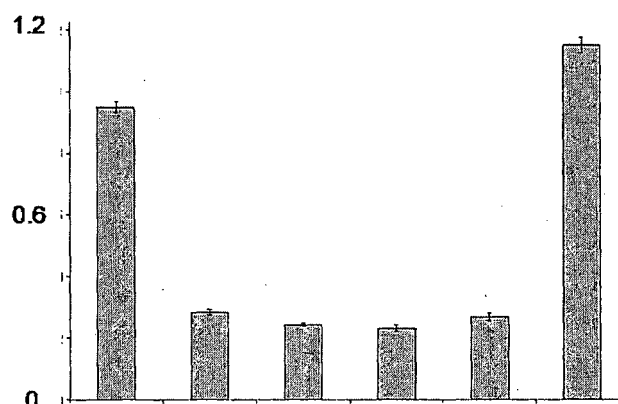


Figure 9

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Figure 10

