

FIG. 1: Examples of engineered three-dimensional fabric structures, such as corrugations.

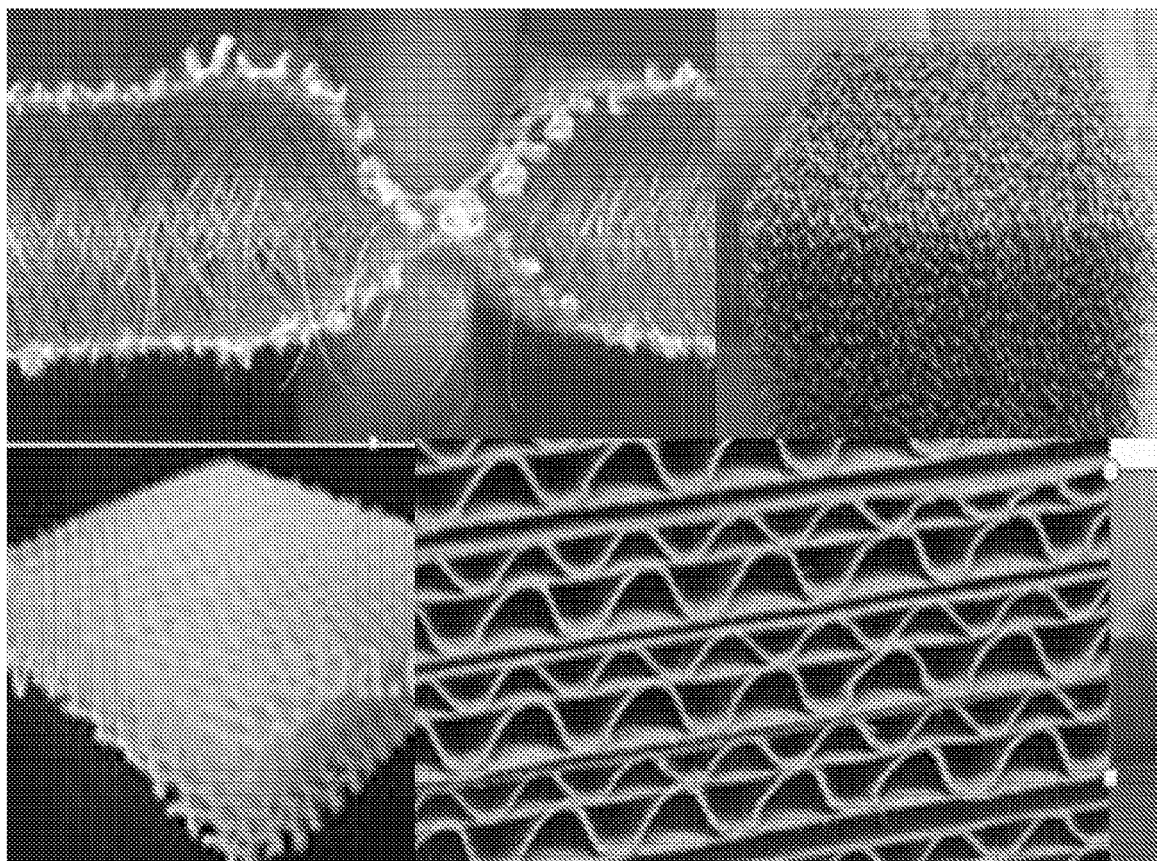


FIG. 2: Example of a dressing with AQUACEL

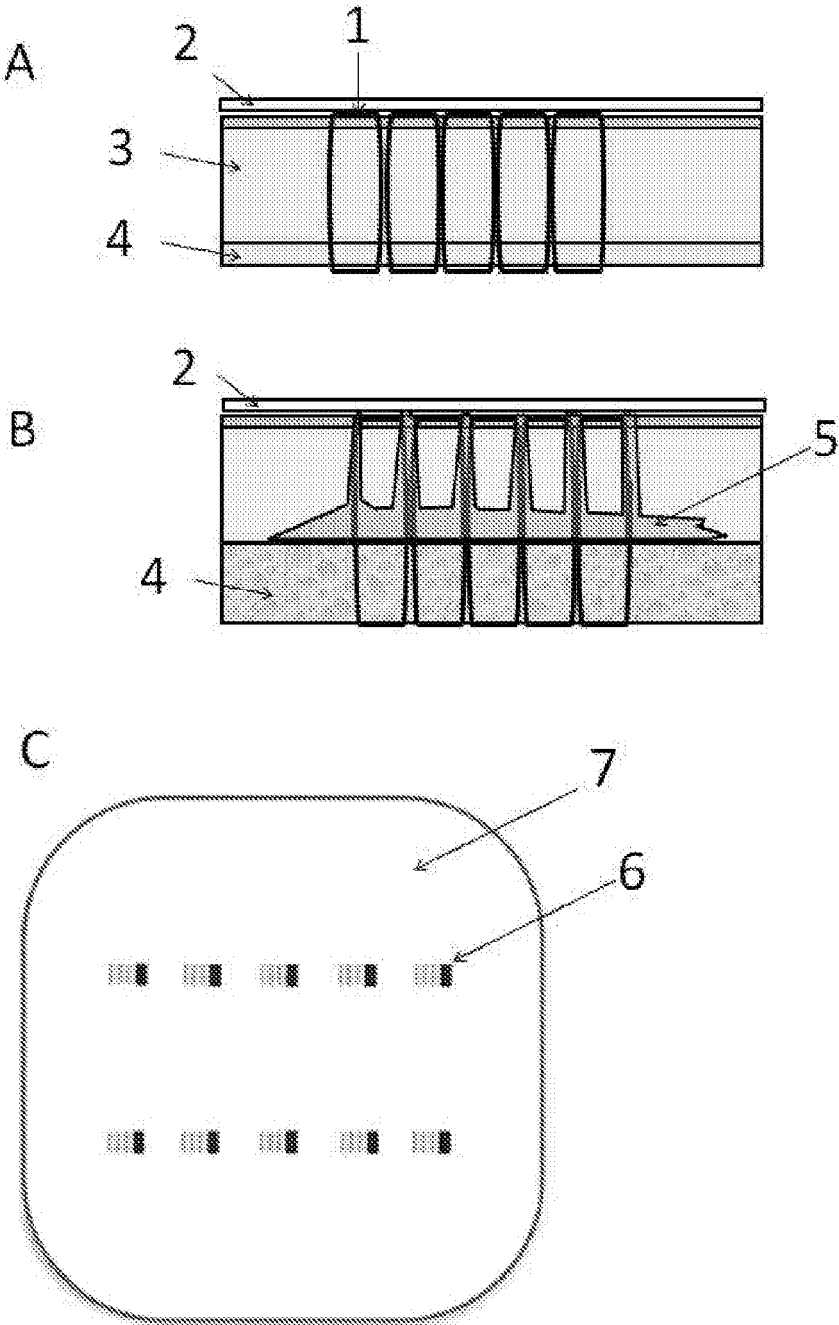


FIG. 3: Schematic of reaction cells

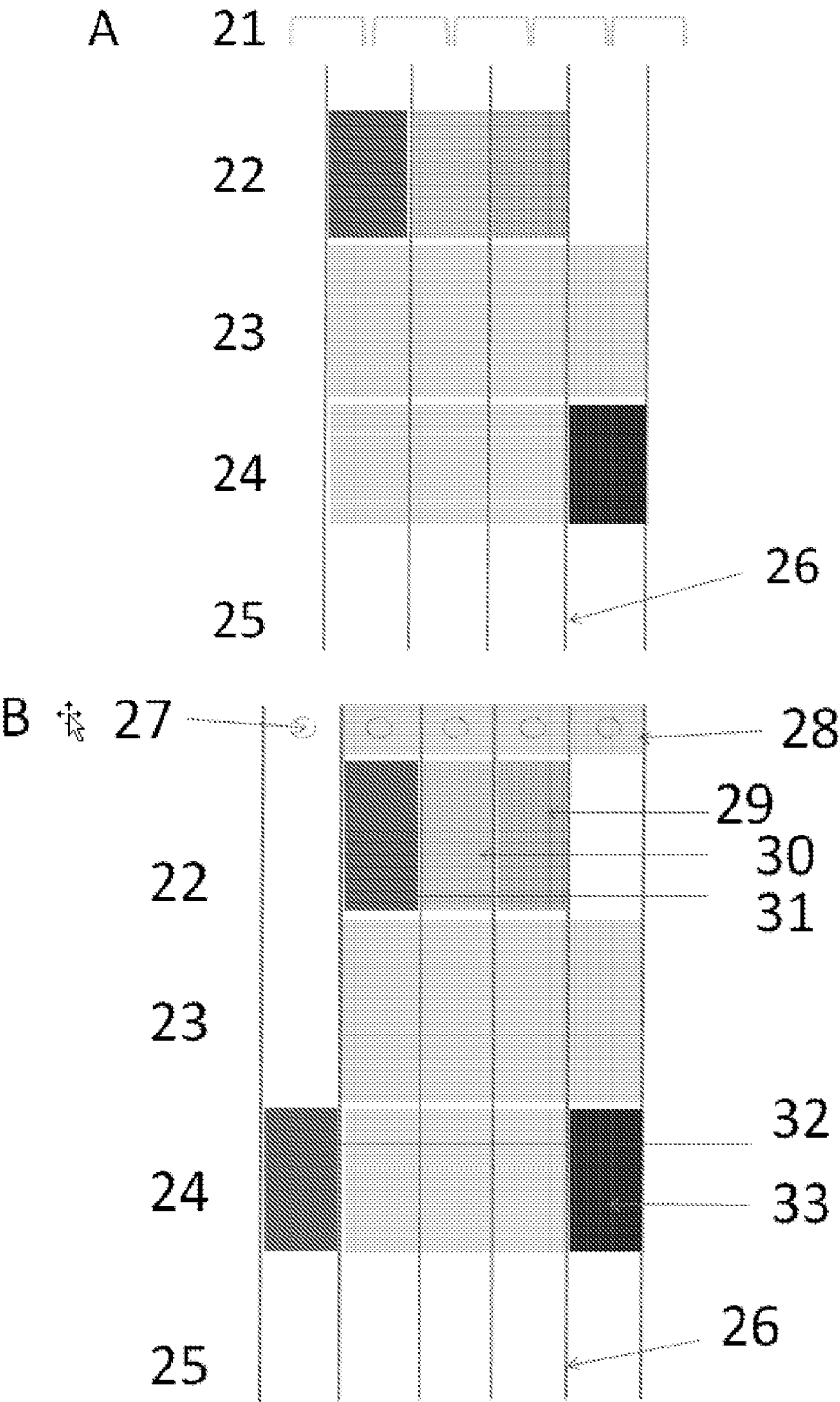


FIG. 4: Movement of indicators in reaction cells

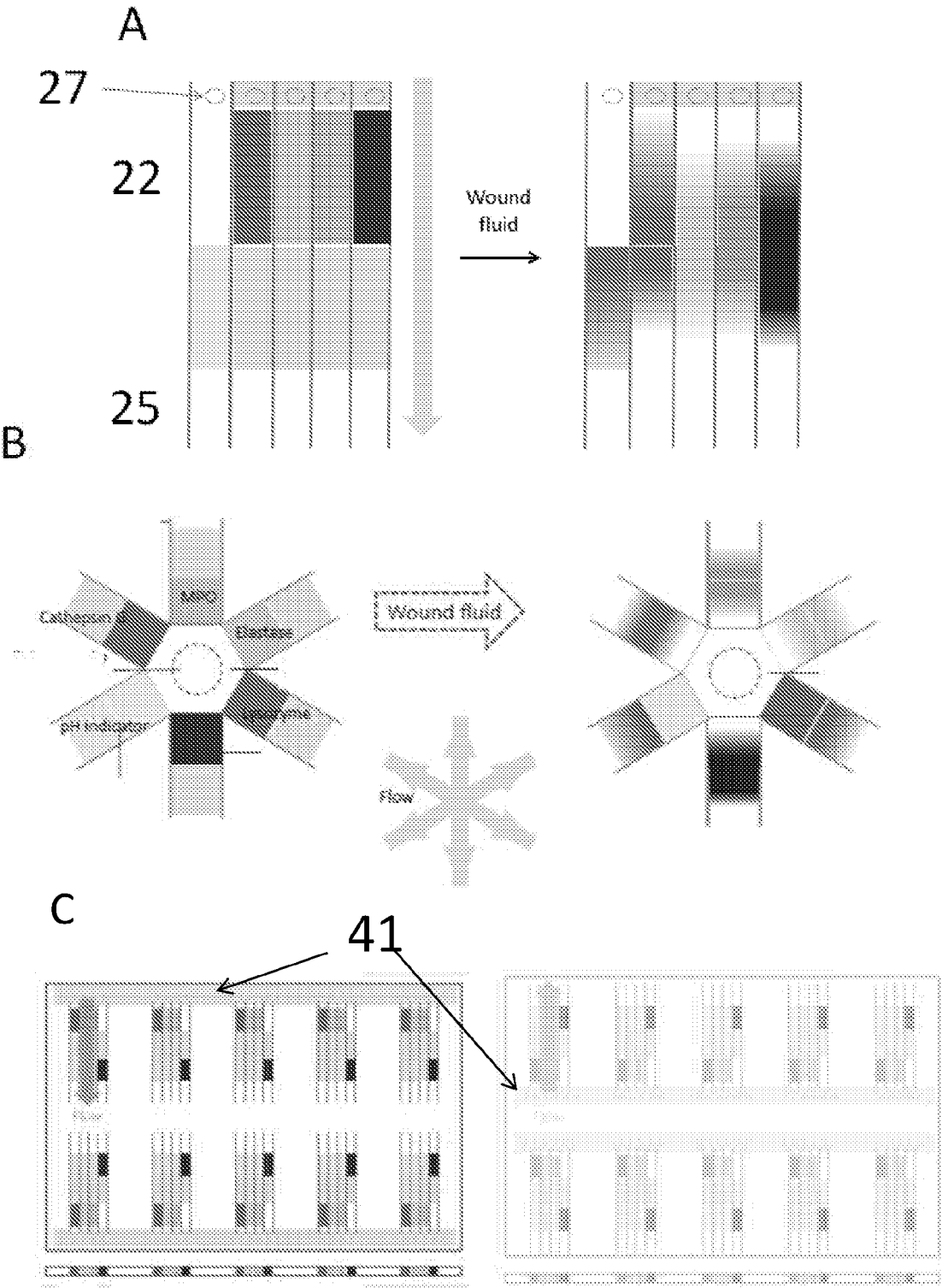
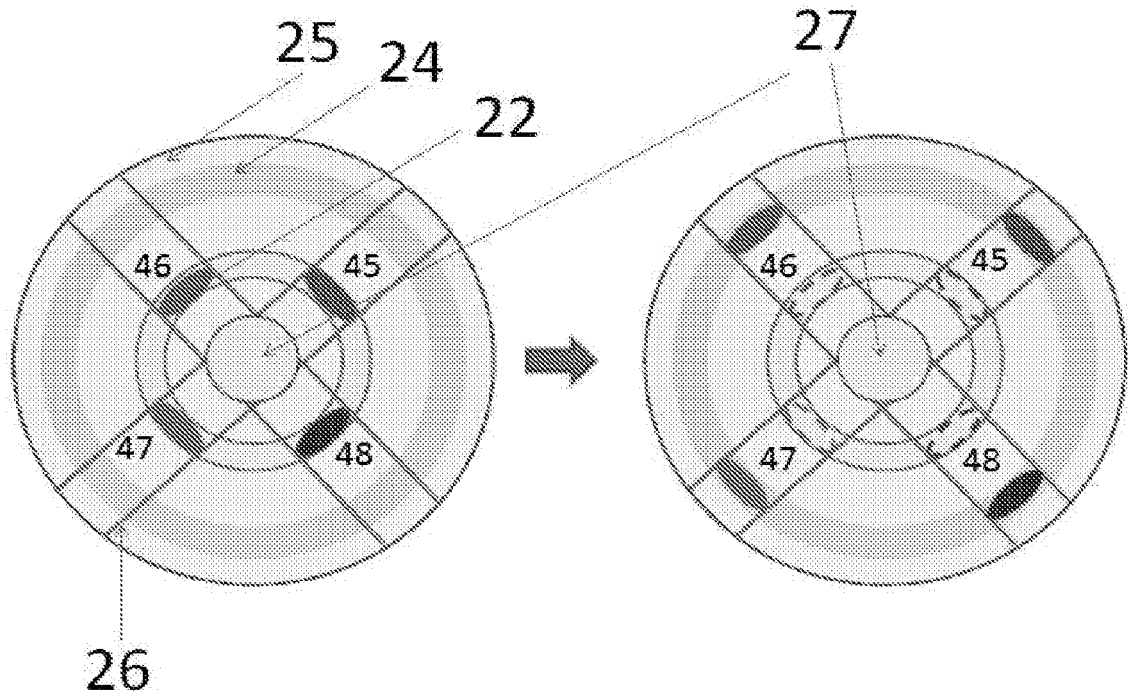


FIG. 5: Radial arrangement of indicators

A.



B.

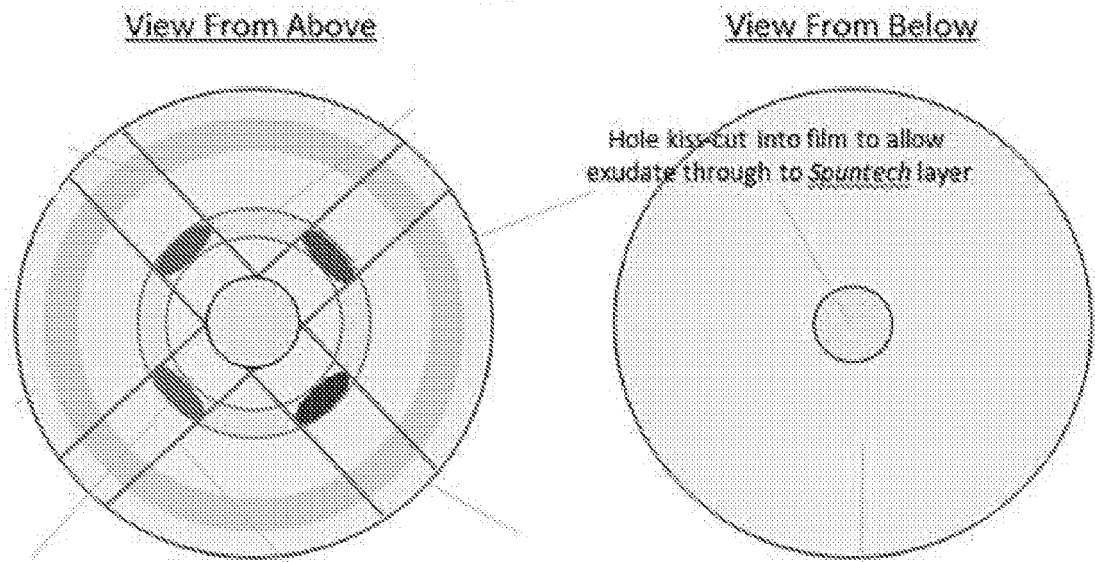


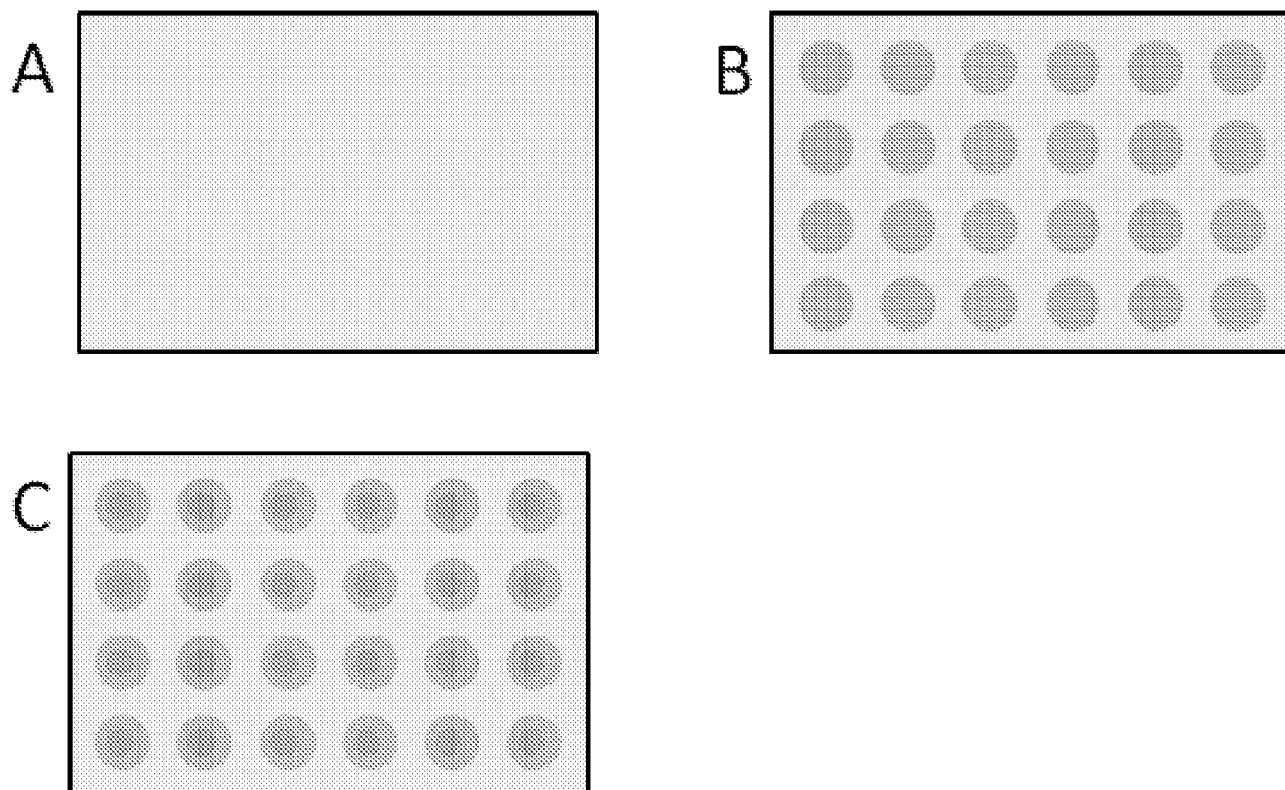
FIG. 6: Dressing printed for MPO detection

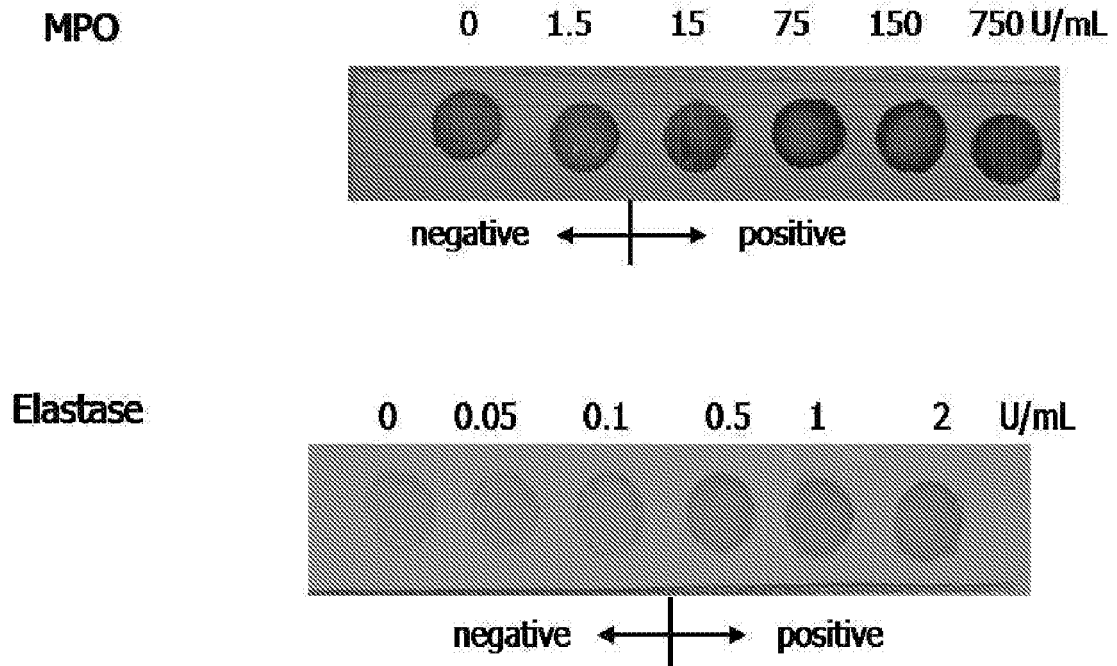
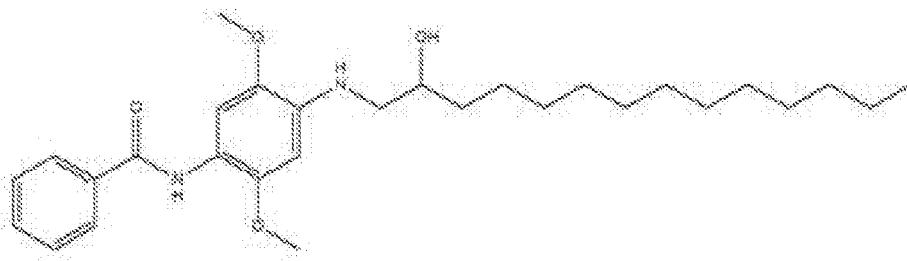
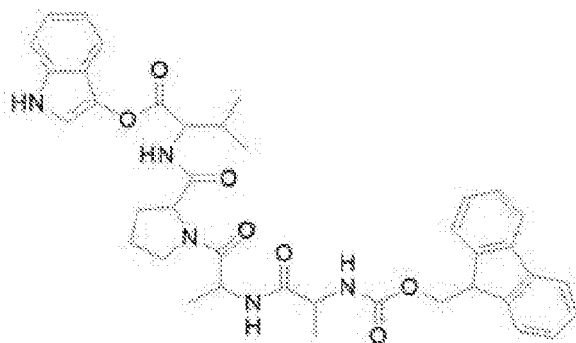
FIG. 7: In-place color development of MPO and elastase substrates on testing strips

FIG. 8: Examples of substrates

A. MPO substrate (Fast Blue derivative)



B. Elastase substrate



C. Oxidation to blue colored Indigo

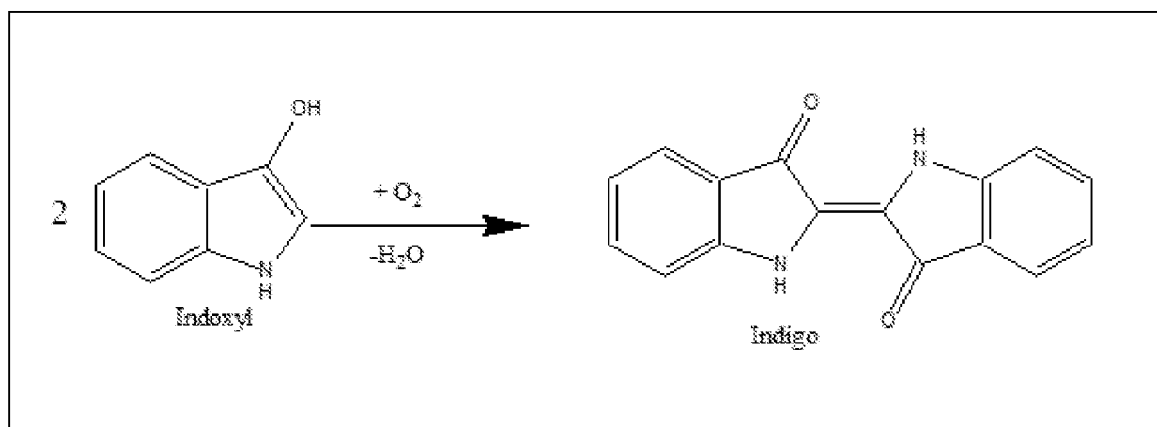
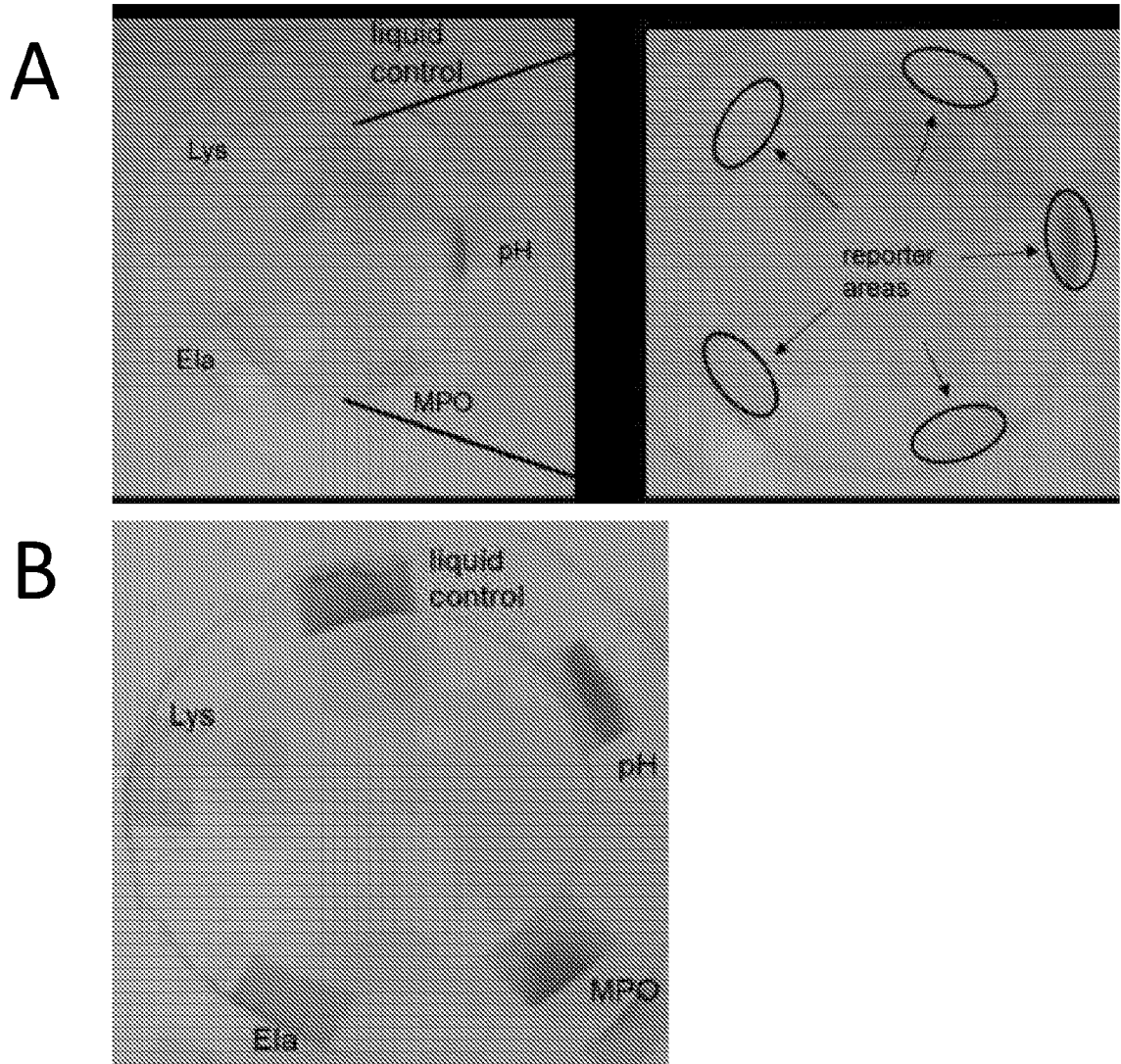
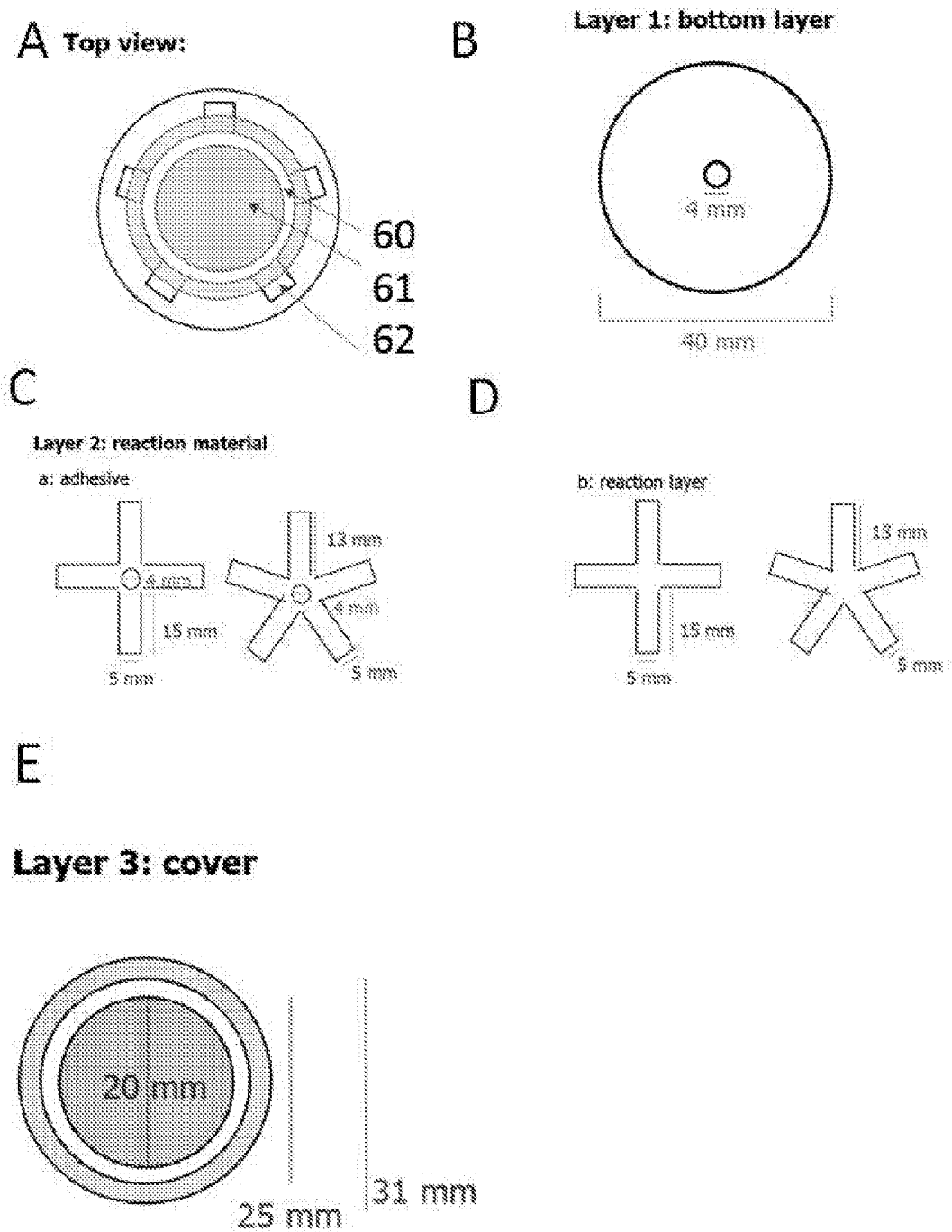


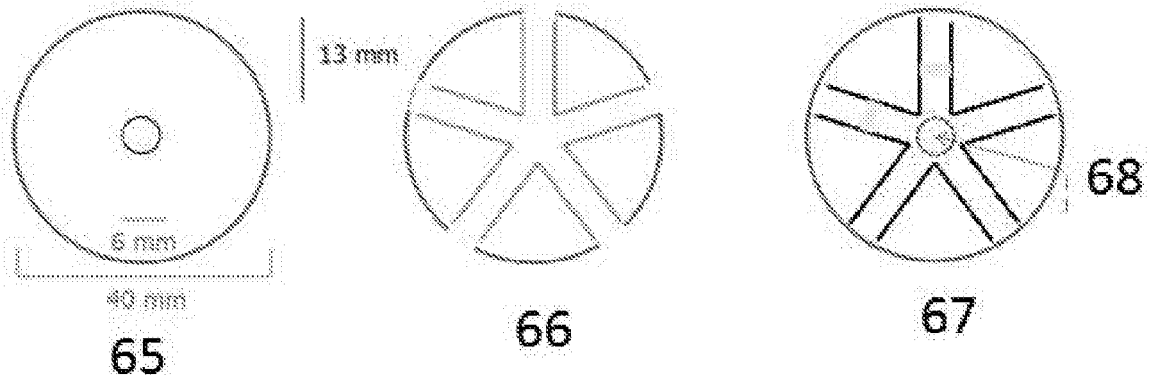
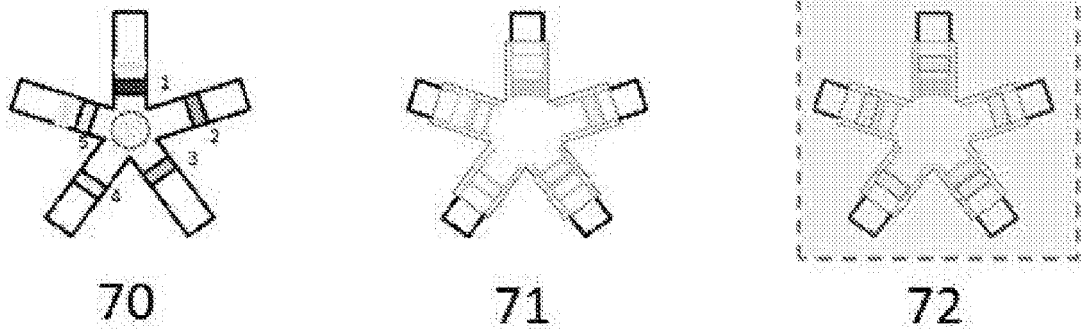
FIG. 9: In-place color development of different indicators in radial arrangement

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FIG. 10: Schematics of a radial indicator insert or disk

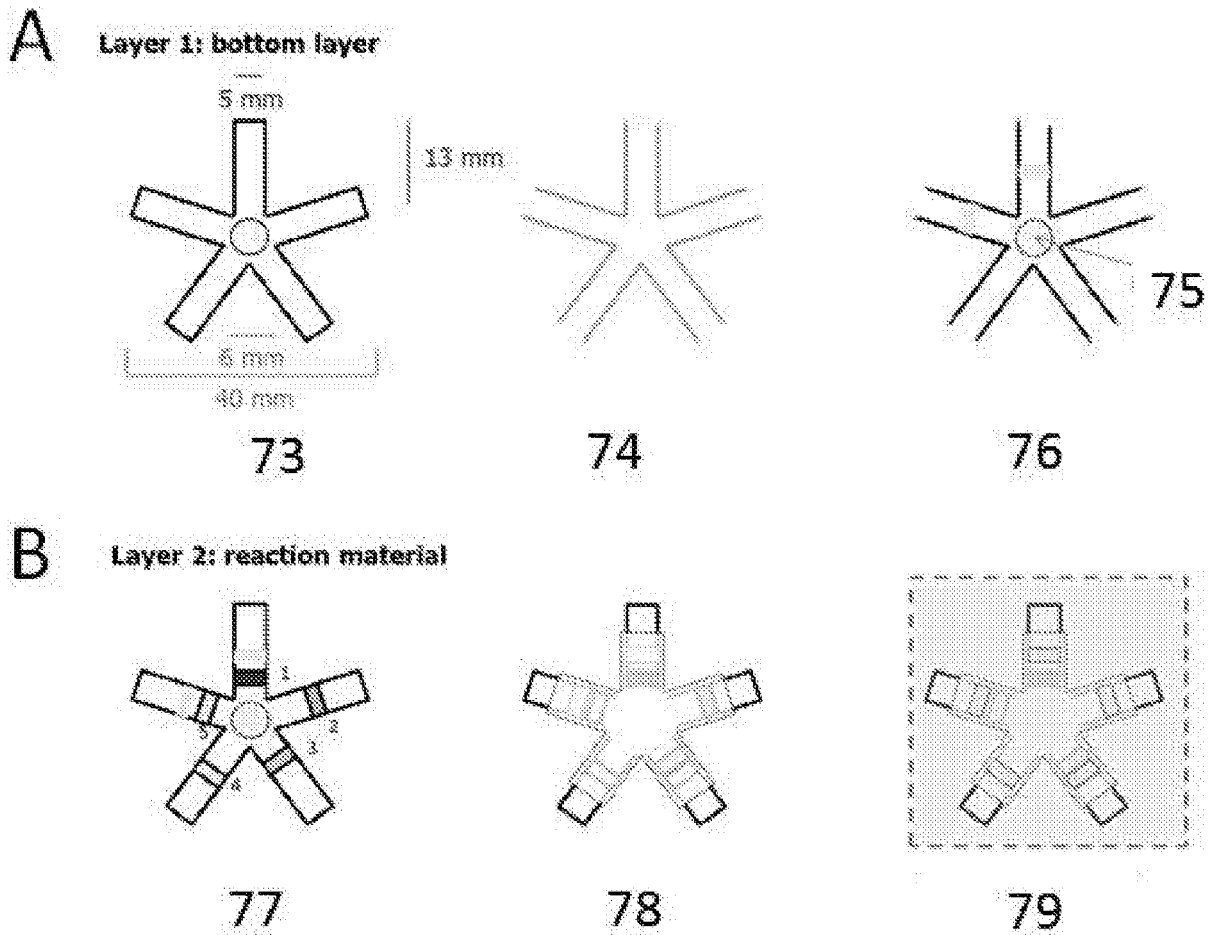


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FIG. 11: Schematics of a radial indicator insert or disk with a window**A****Layer 1: bottom layer****B****Layer 2: reaction material**

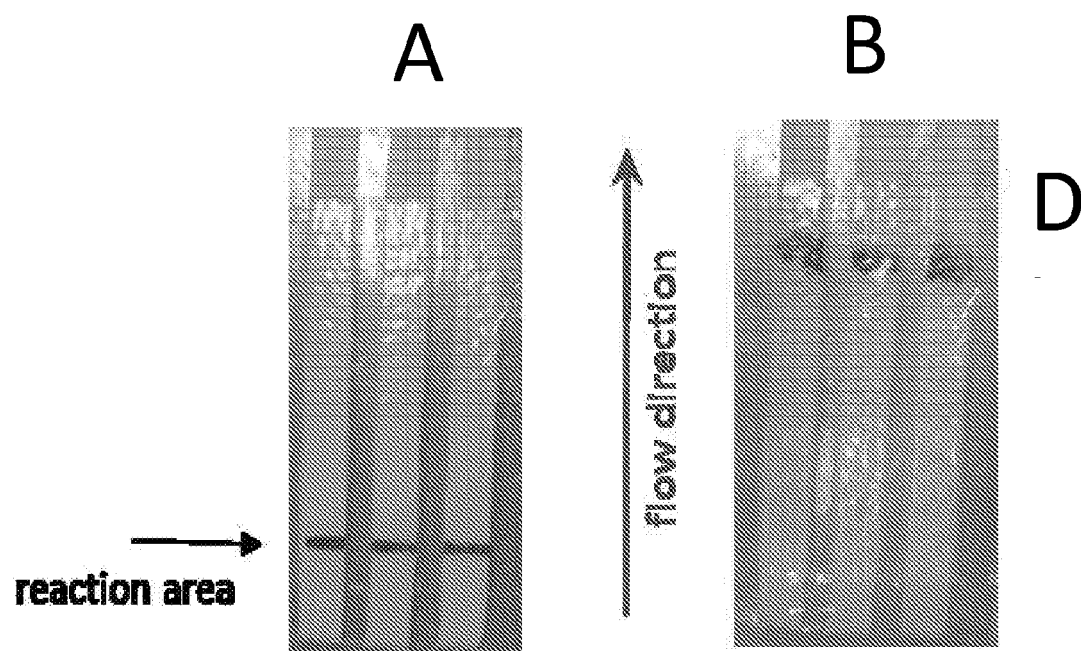
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FIG. 12: Schematics of another embodiment of a radial indicator insert or disk



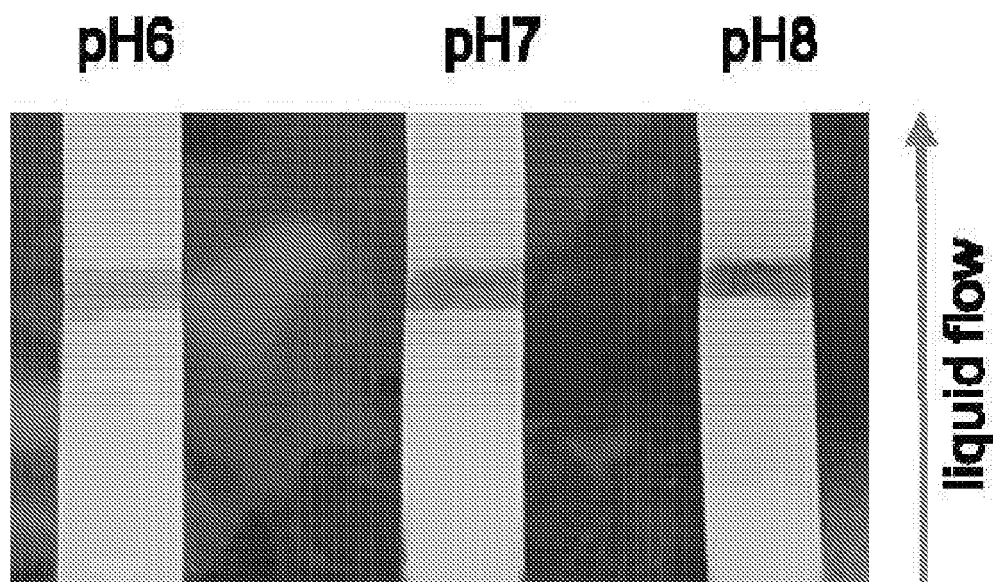
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FIG. 13: Transport of Remazol Brilliant Blue



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FIG. 14: Example of a pH indicator



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FIG. 15: Schematic of lysozyme test strip

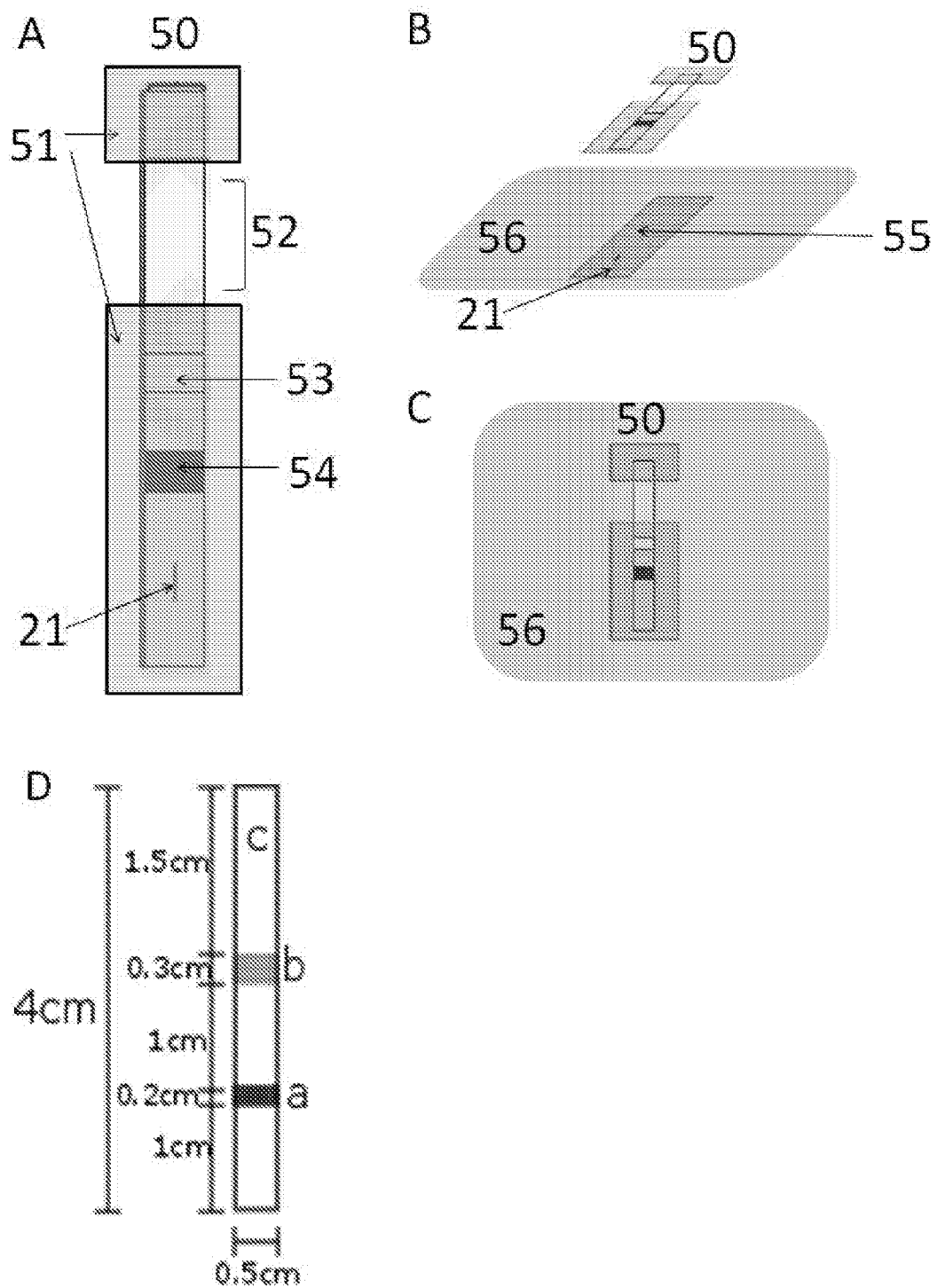
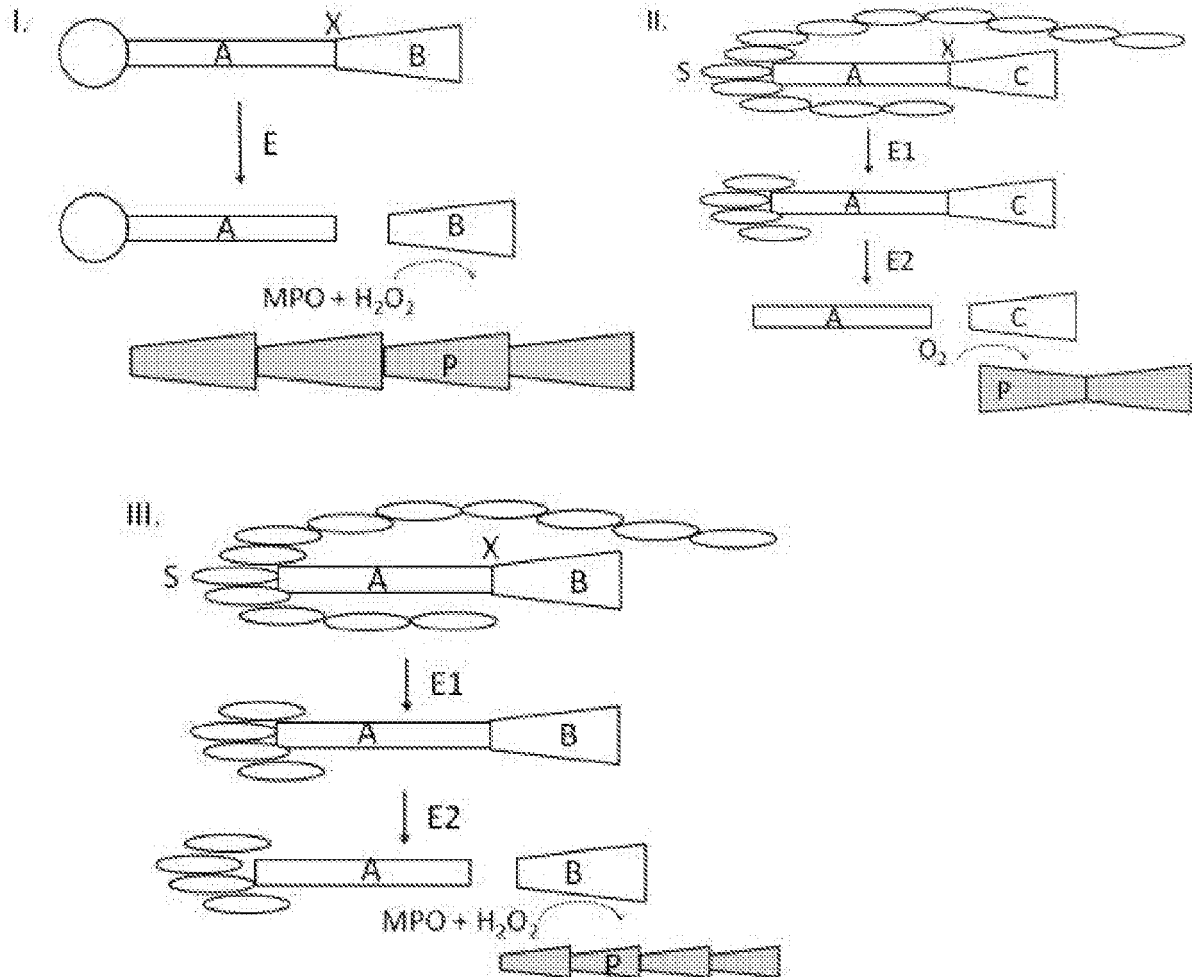
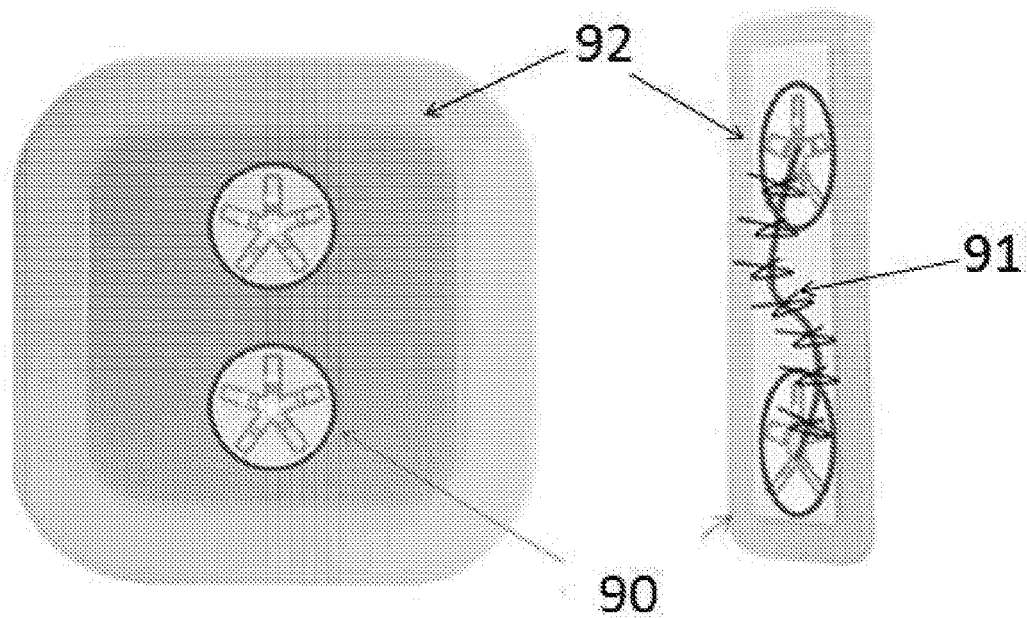


FIG. 16: Examples of indicator substrates and reactions



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FIG. 17: Example of an indicator disk freely placed in a dressing

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FIG. 18: Embodiments of diagnostic disks in non-woven layer in dressing

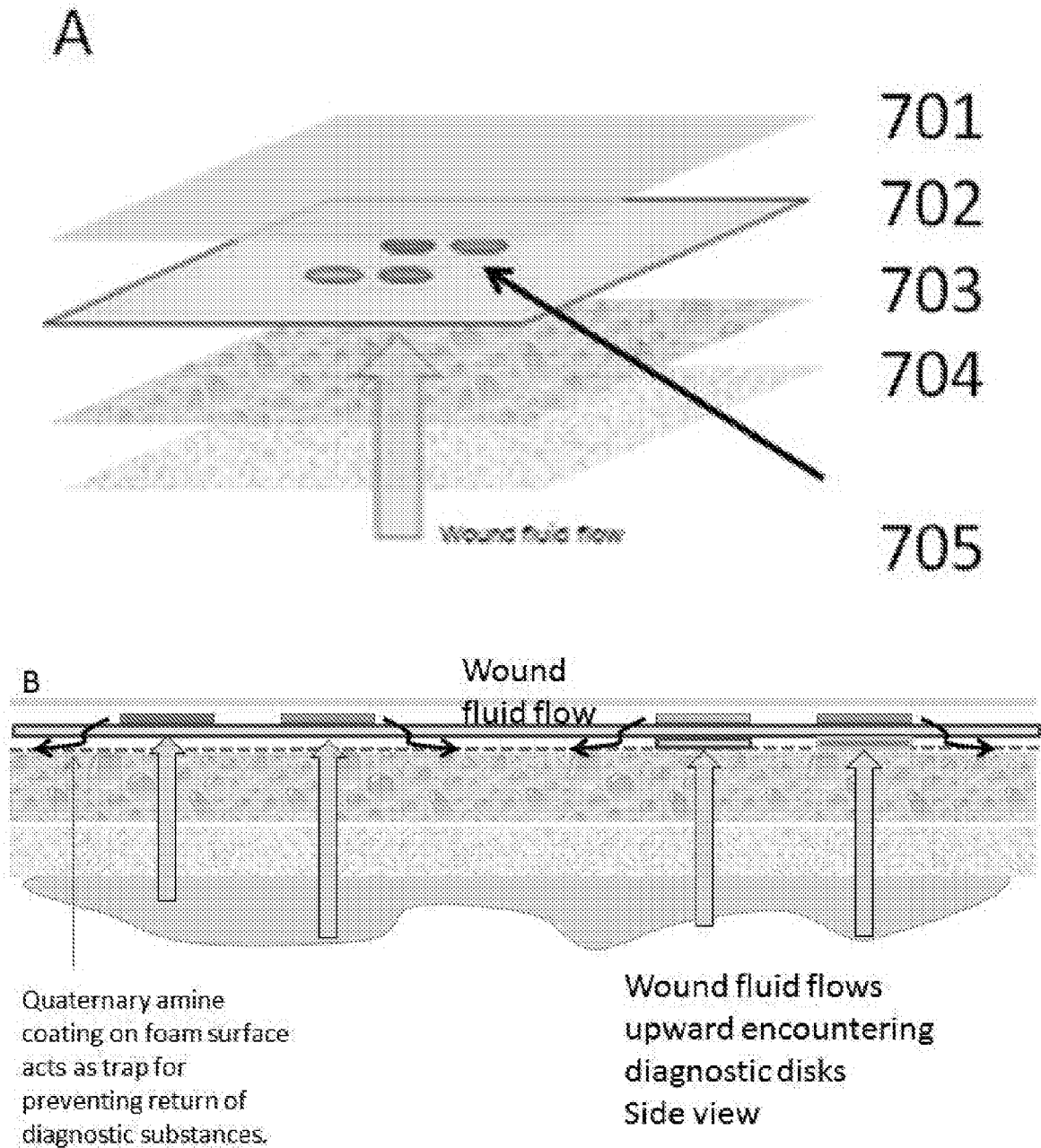


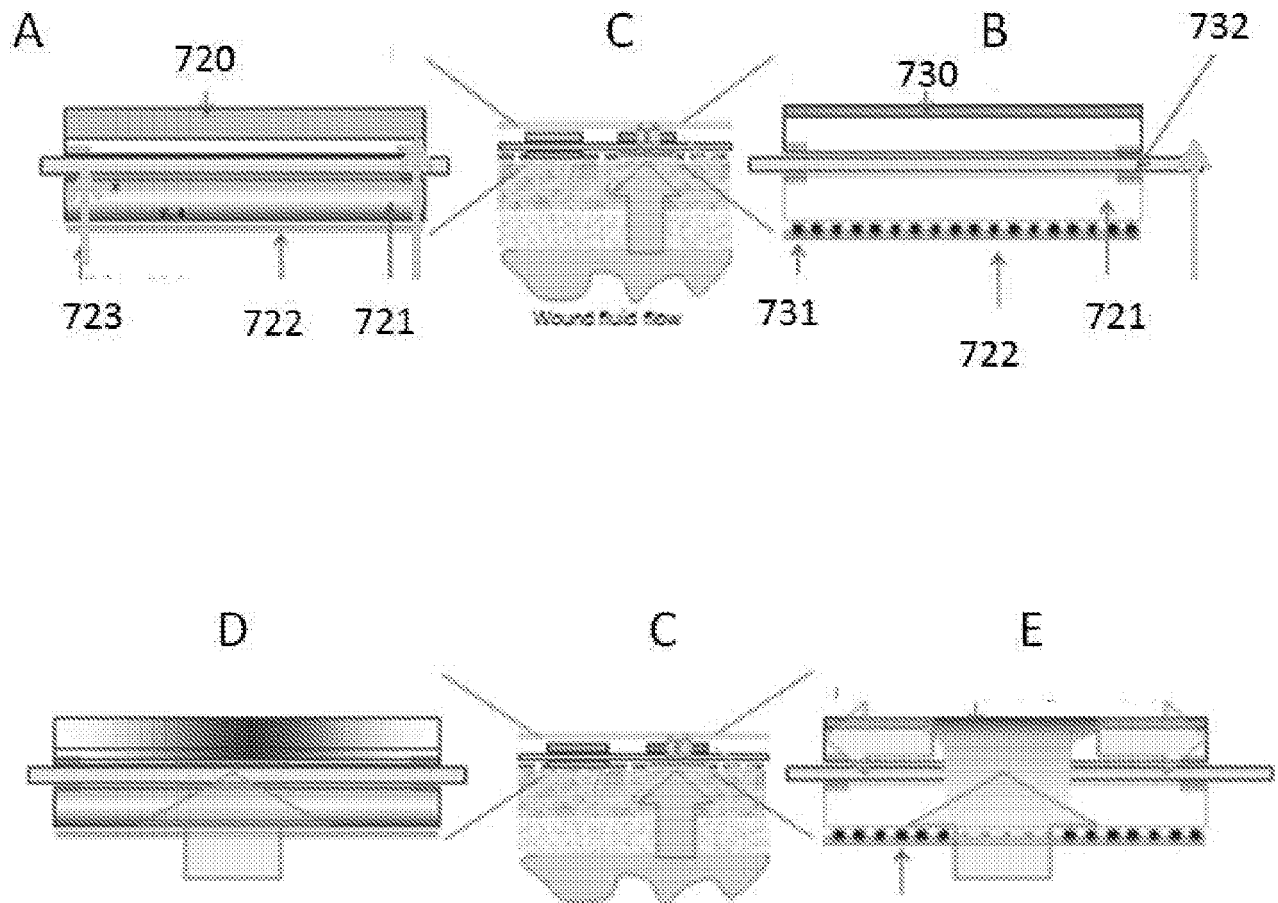
FIG. 19: Embodiments of diagnostic disks in non-woven layer in dressing

FIG. 20: Example of manufacturing diagnostic disks in sheets

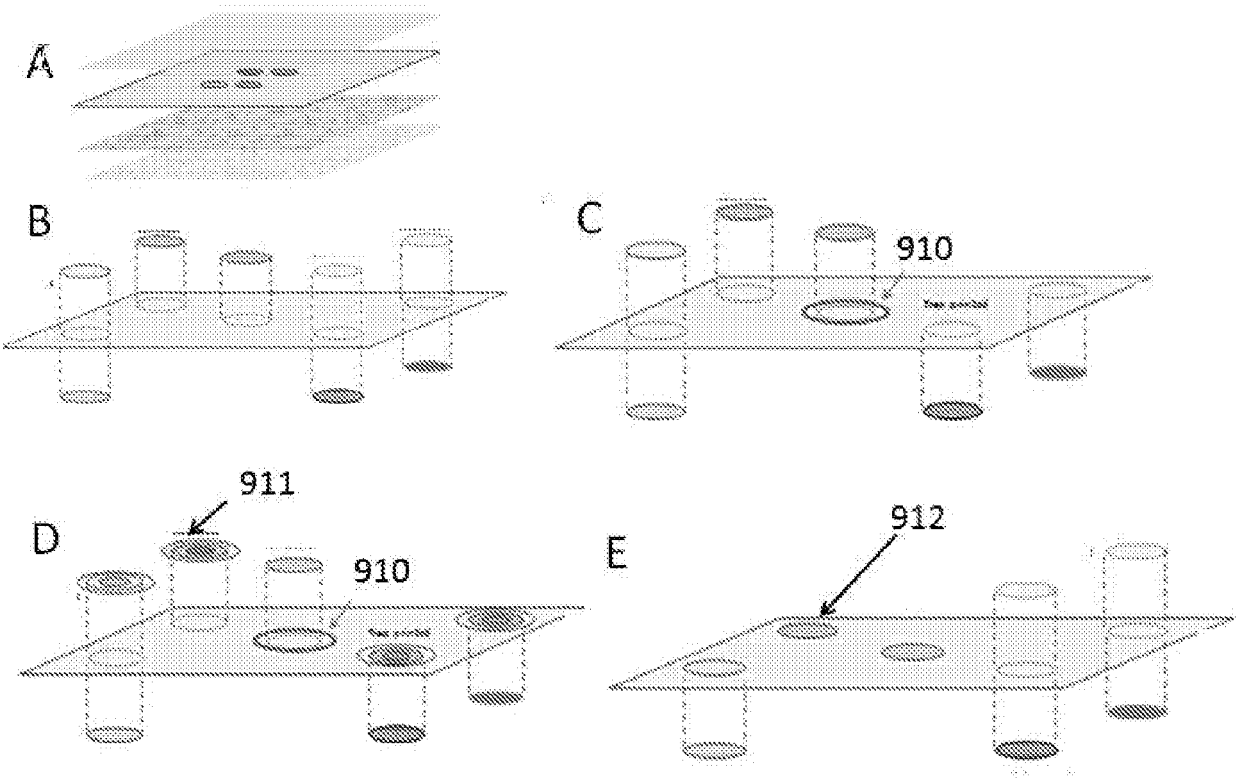


FIG. 21: Embodiments of printed and applied paper disks

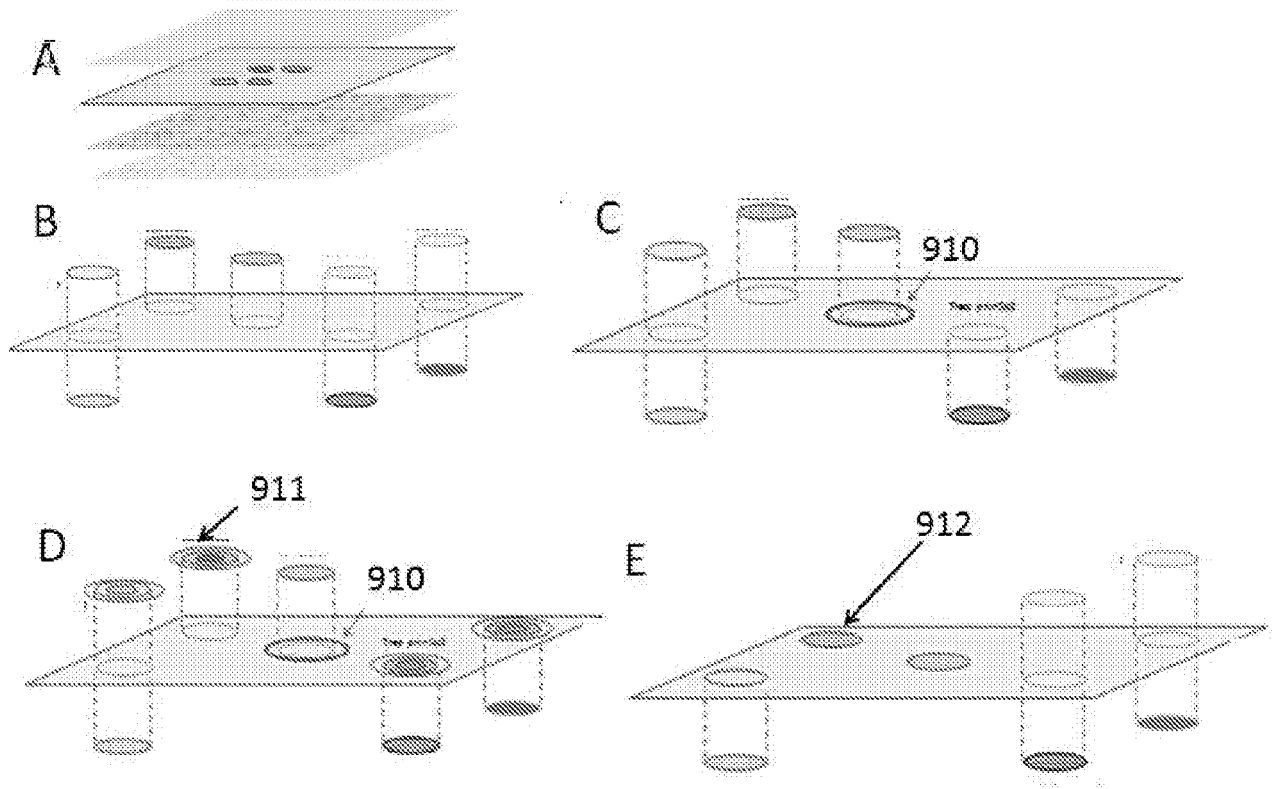


FIG. 22: Methods of attaching or applying diagnostic disks to non-woven layer in dressing

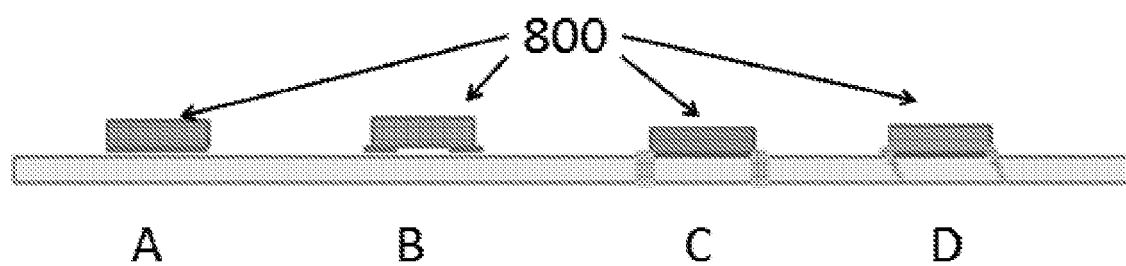


FIG. 23: Dipstick devices with indicator inserts or disks

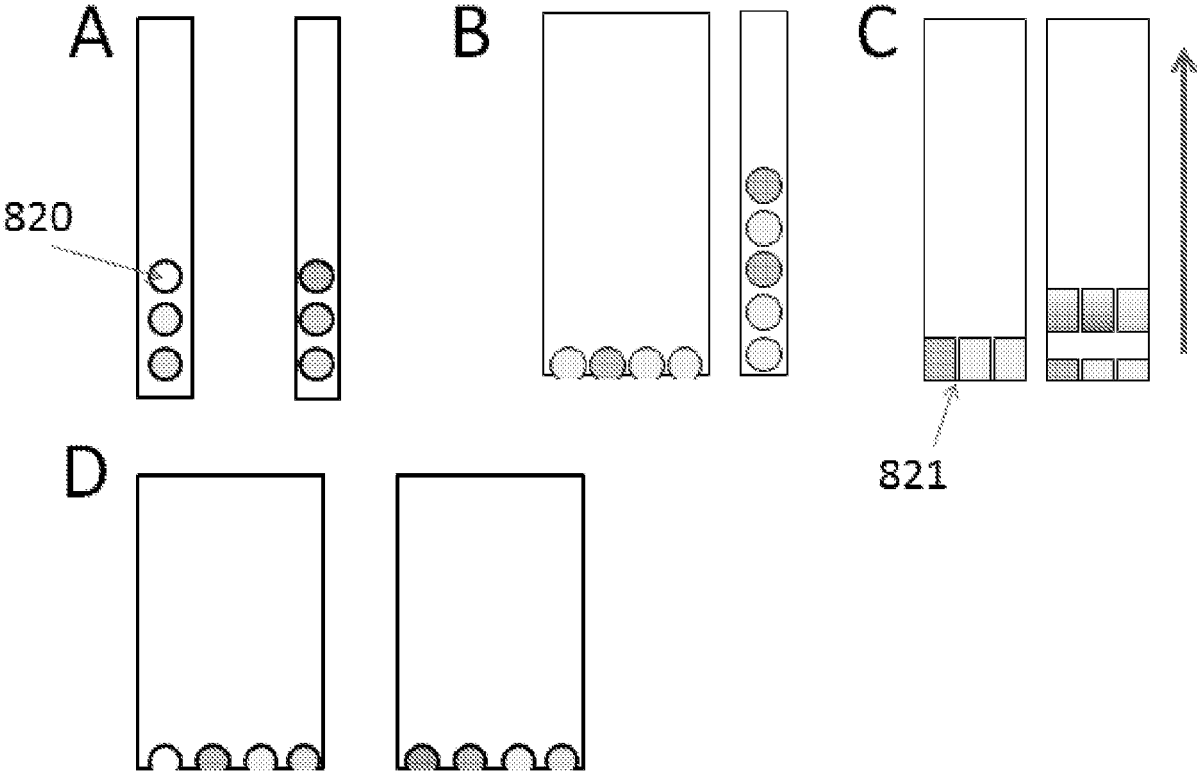
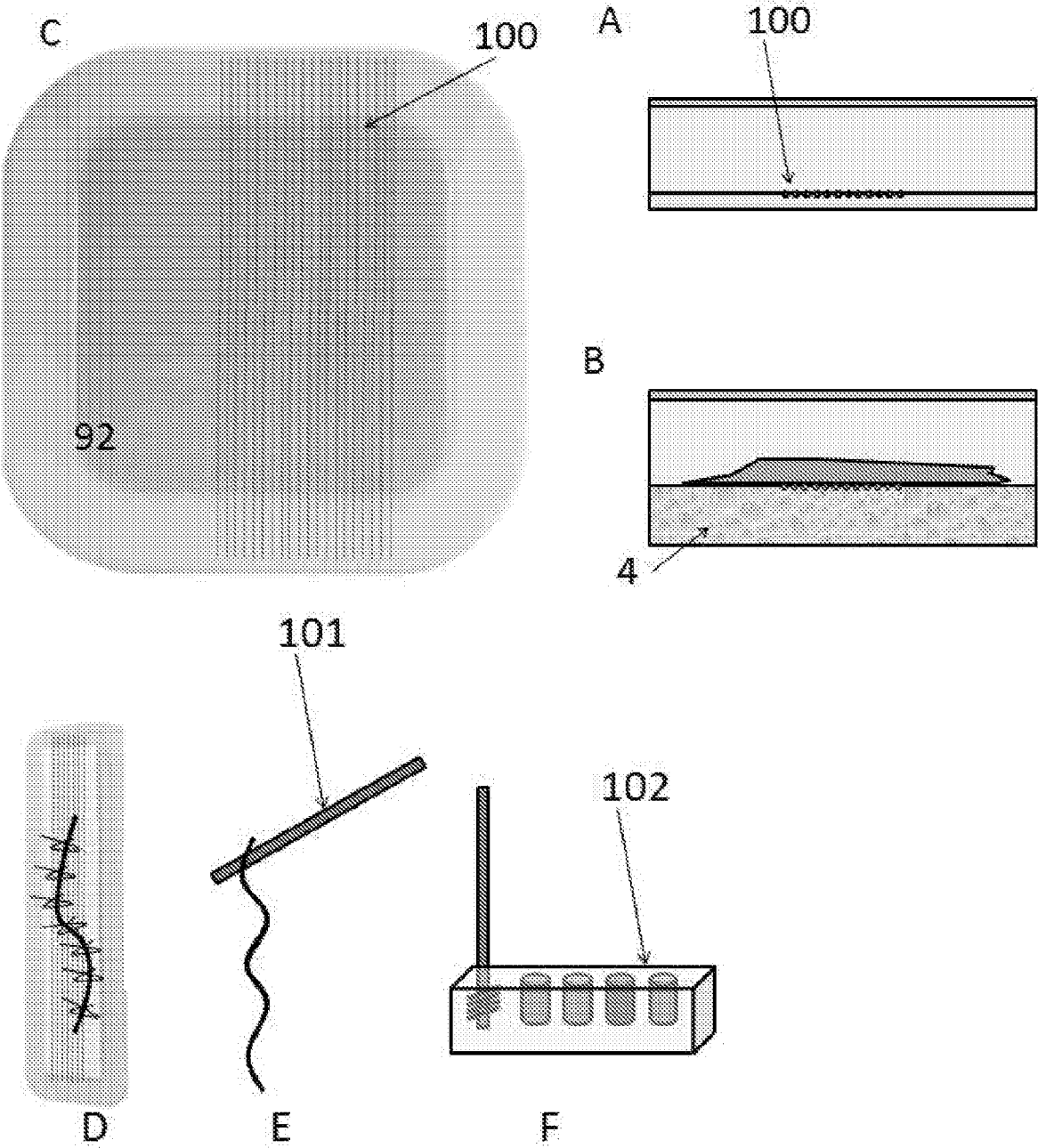


FIG. 24: Sampling thread and use in dressing



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FIG. 25: Assembly for manufacturing indicator inserts

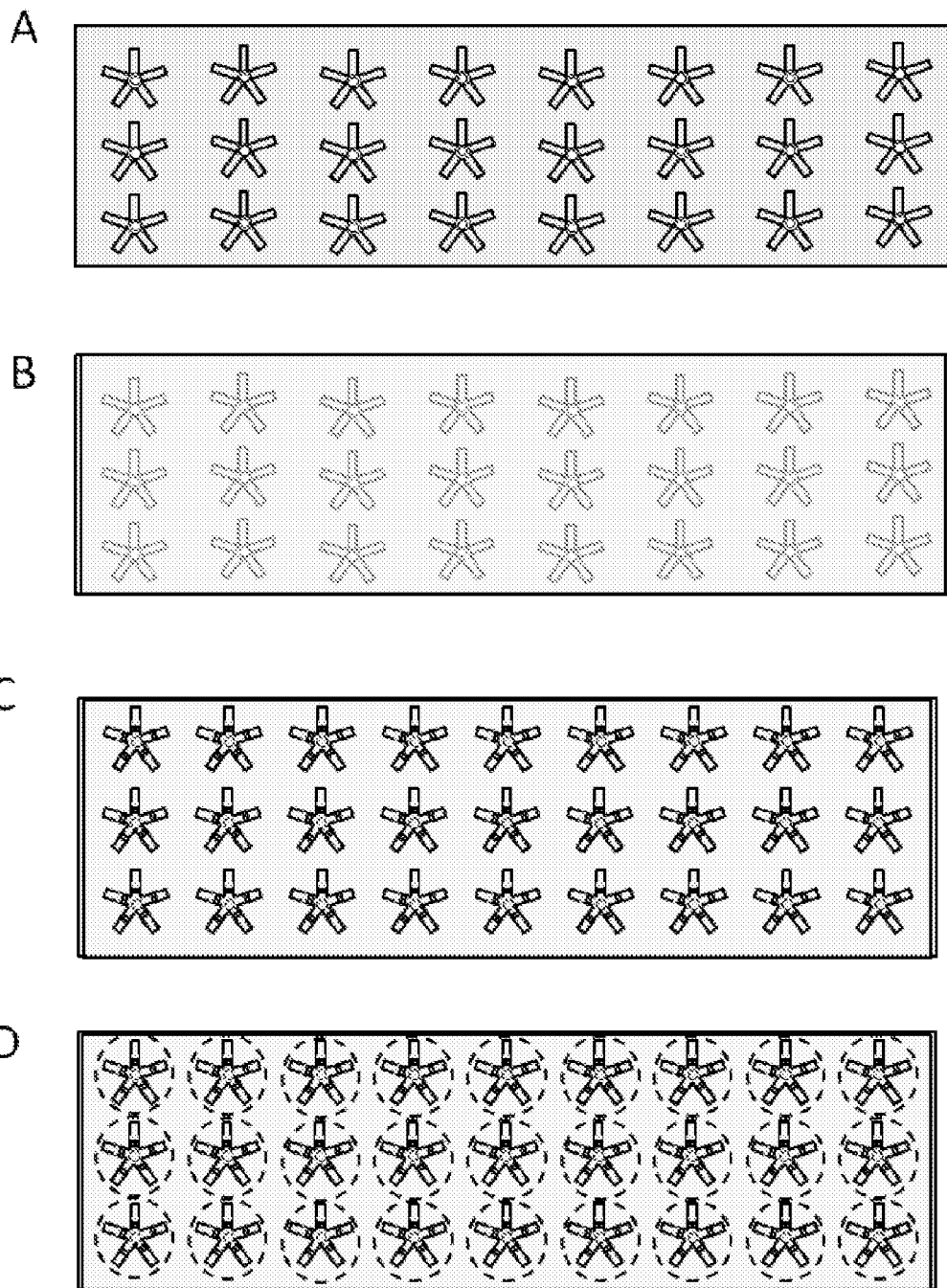
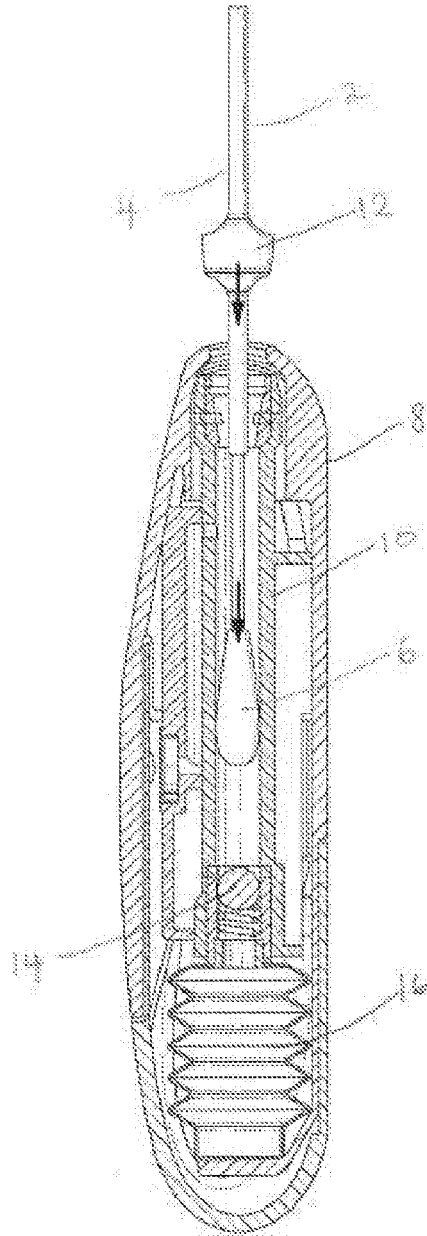
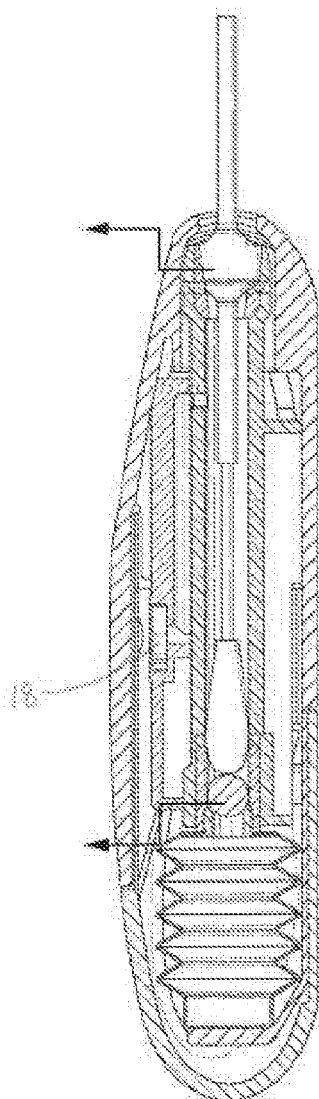


FIG. 26: Cross section of a standalone device kit



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FIG. 27: Sampling tip inserted in the housing of standalone device kit

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FIG. 28: A plan view of the standalone device kit

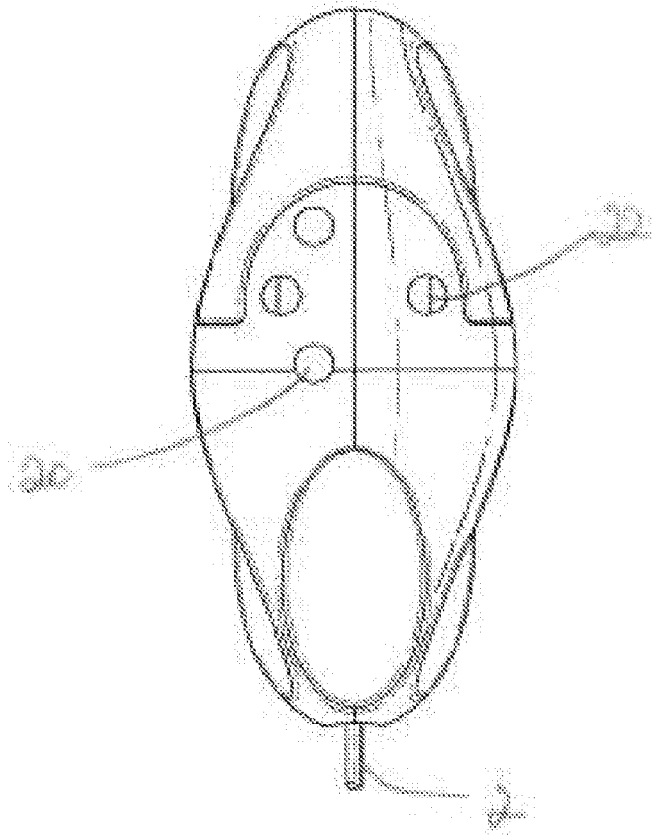
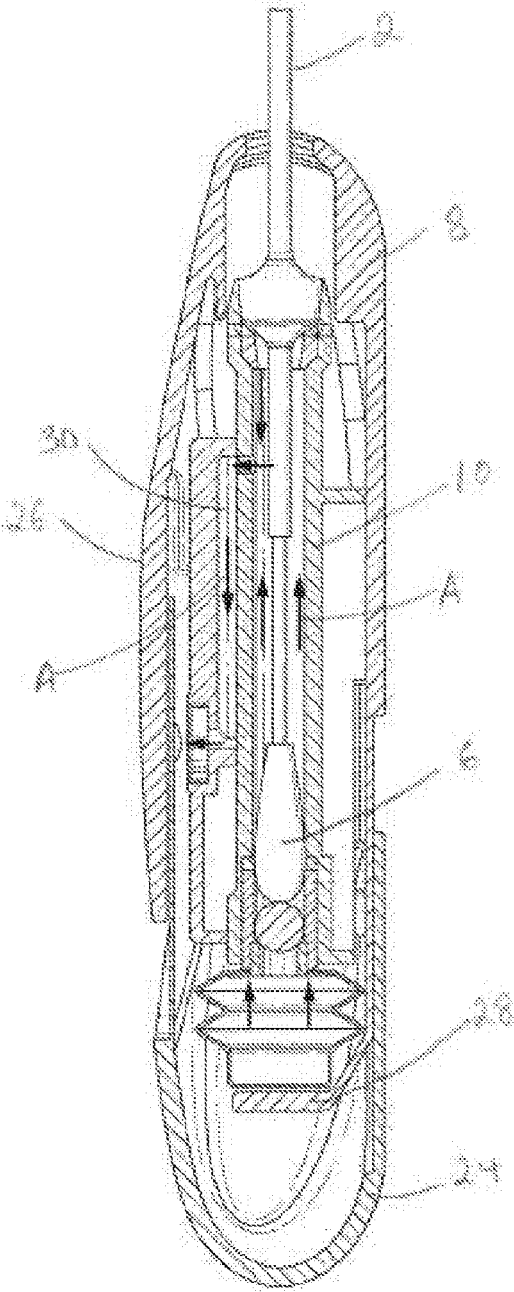
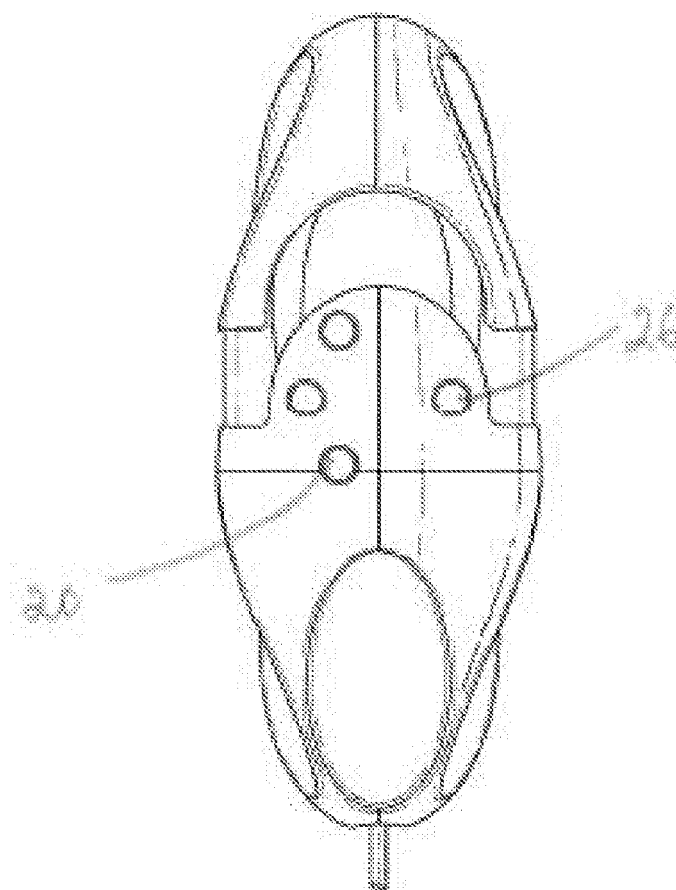


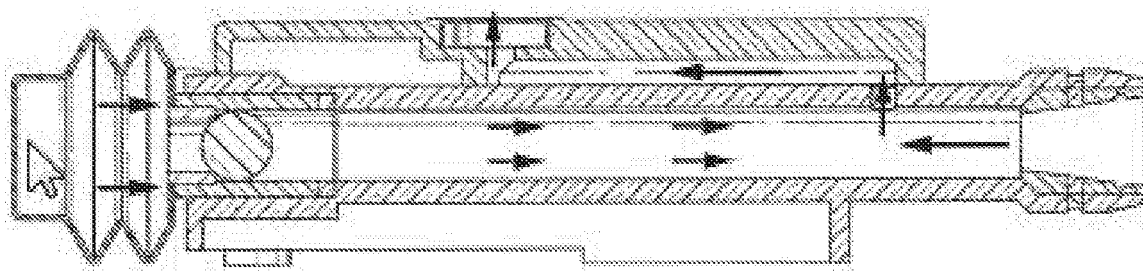
FIG. 29: Another view of the standalone device kit



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FIG. 30: A plan view of the standalone device kit with housing slid apart

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FIG. 31: Diluent chamber, tube and reaction chamber in standalone device kit

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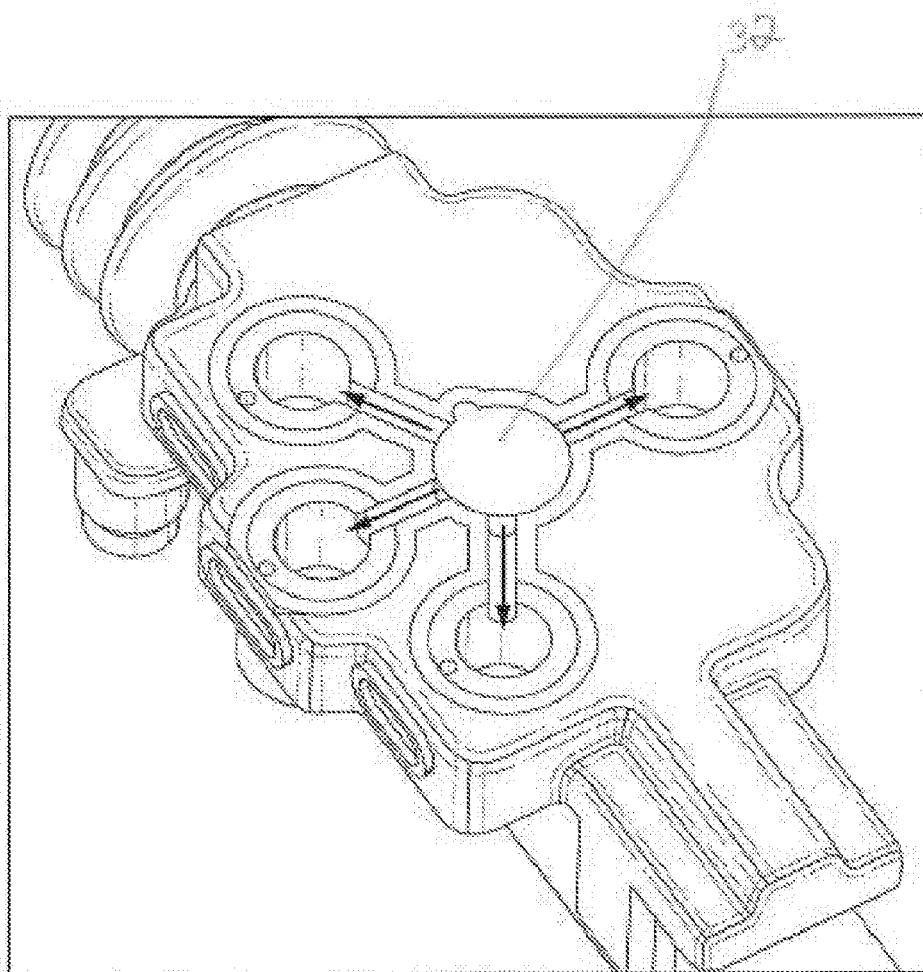
FIG. 32: Distribution of test solution to each reaction chamber in standalone device kit

FIG. 33: Diagnostic swab device with housing

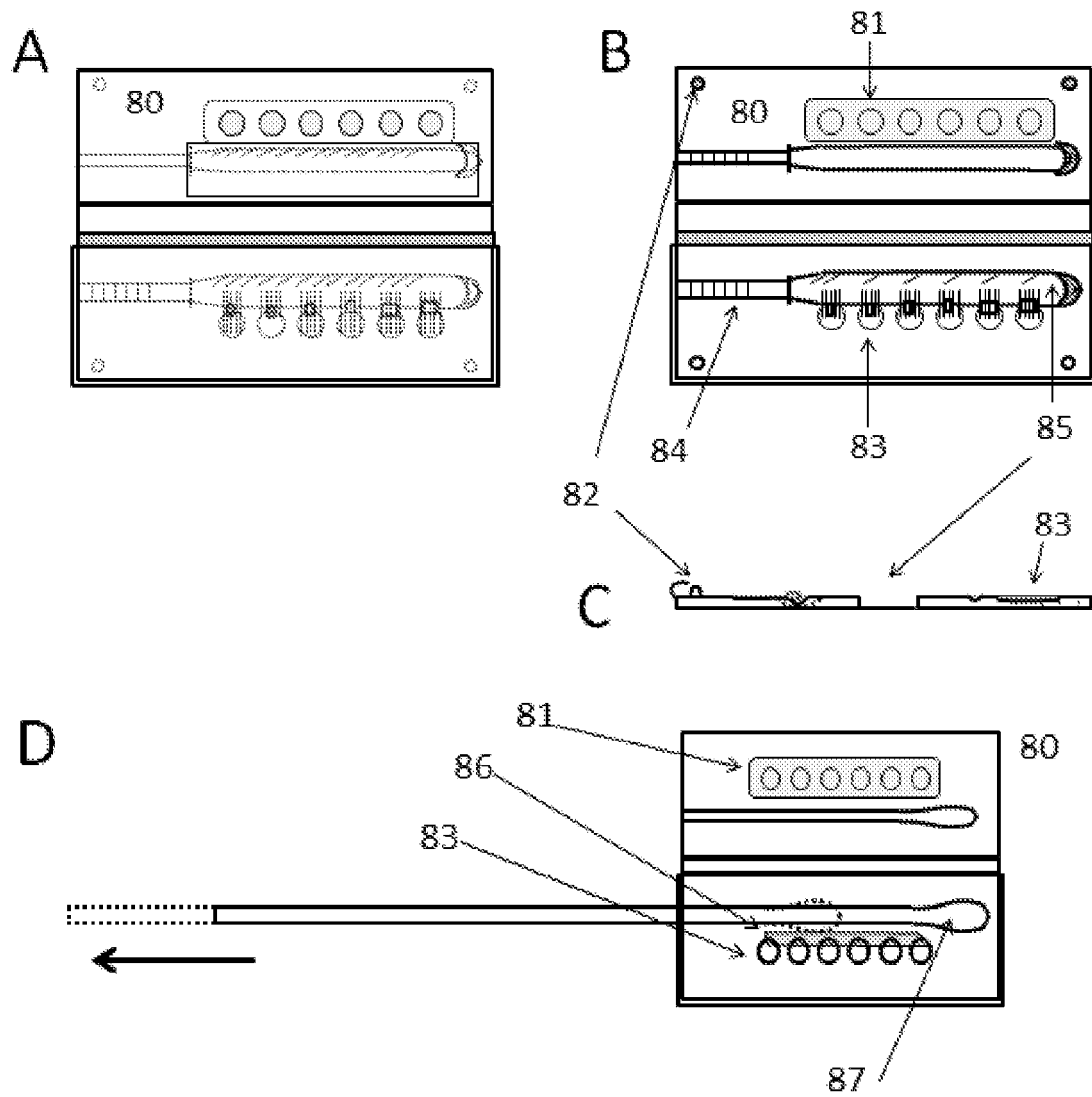


FIG. 34: Thread hook diagnostic device

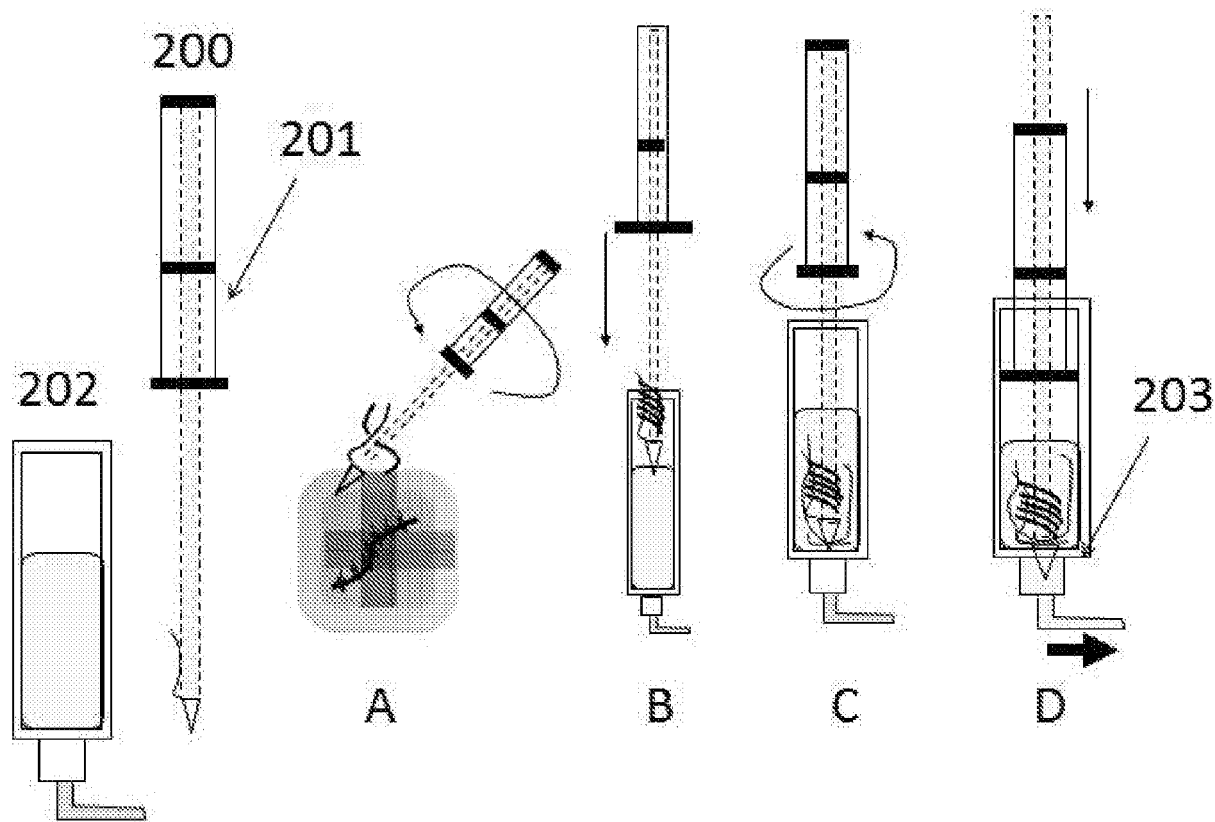


FIG. 35: Swab diagnostic device

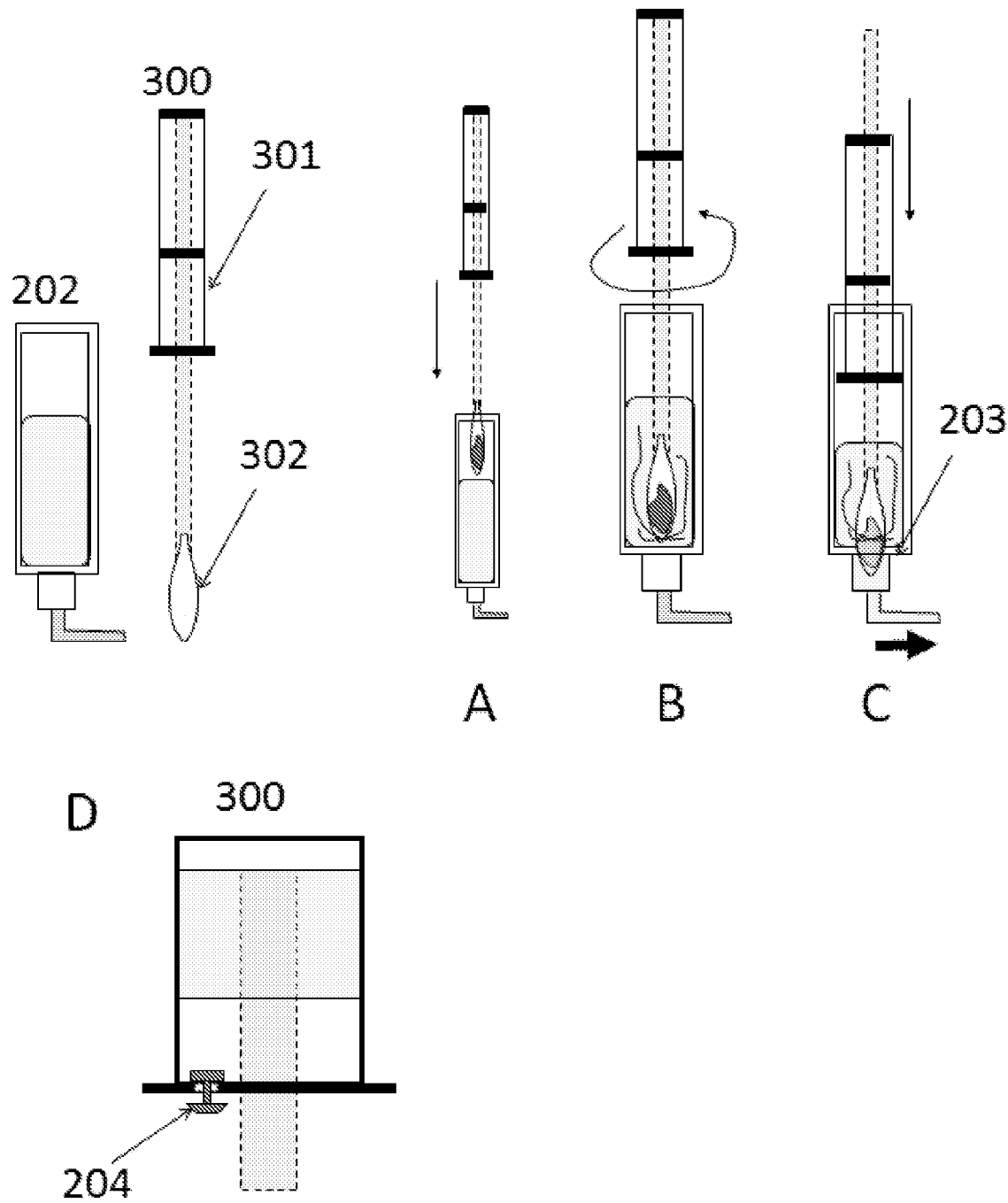


FIG. 36: Diluent chamber for sample preparation

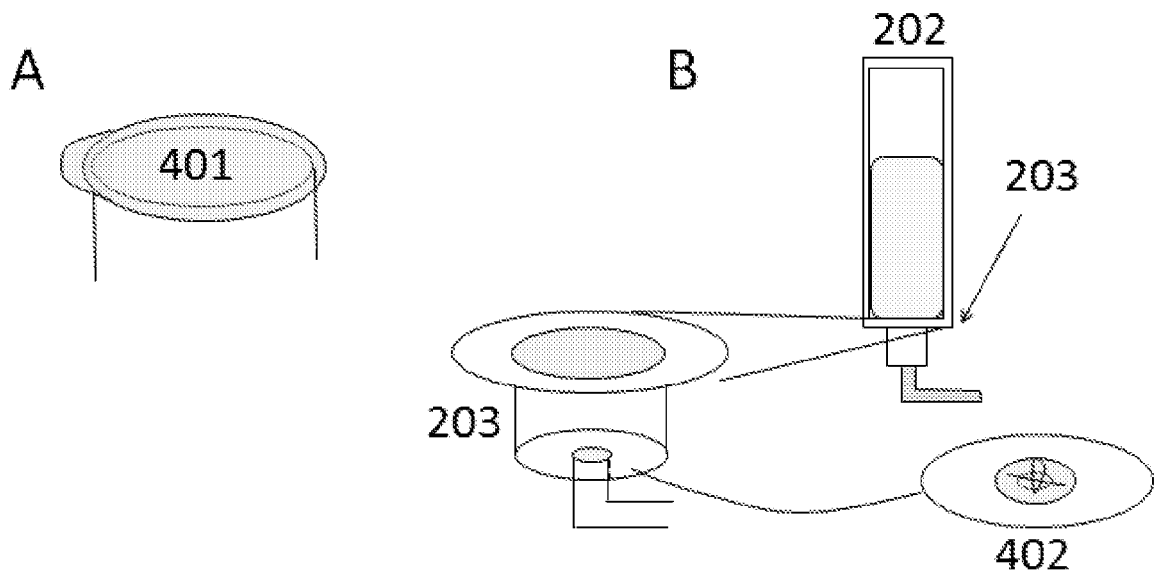


FIG. 37: A diagnostic device with sampling chamber and reaction wells

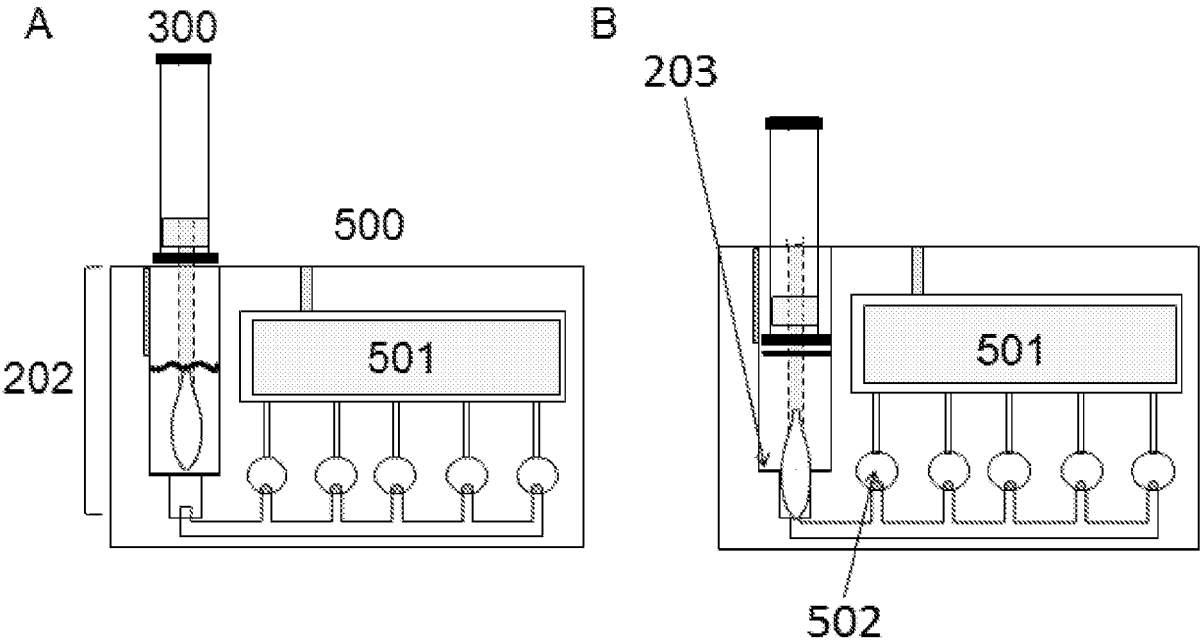


FIG. 38: A diagnostic device or Transfersystem

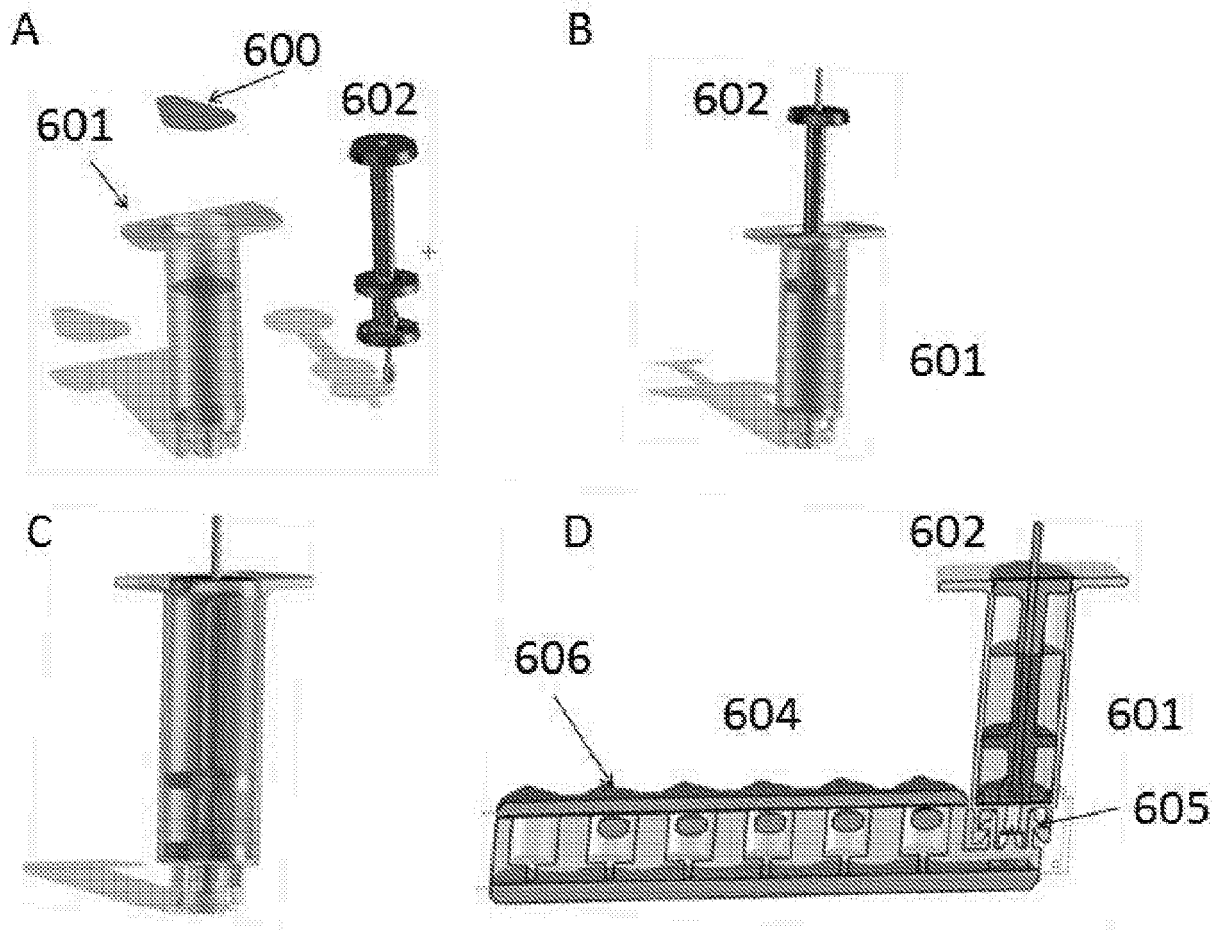
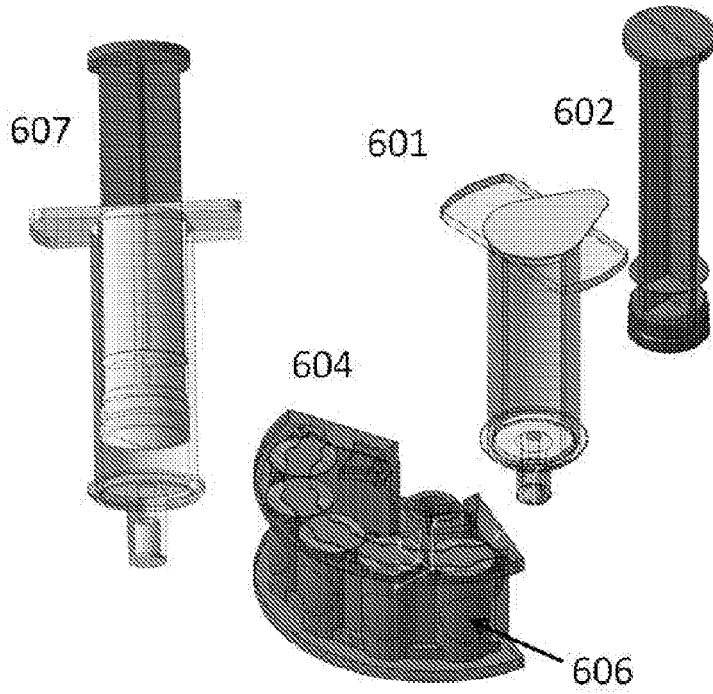


FIG. 39: Further embodiments of an analytic or diagnostic system

A.



B.

