What Is Claimed Is:

~~1. A device for use with a fluid sample, the device comprising:~~

~~a conjugate pad including conjugates for a target analyte; and~~

~~a test grid including a plurality of zones in a two-dimensional grid, the test grid including:~~

~~a first test zone in the plurality of zones including at least one of first immobilized antibodies or first immobilized antigens to attach to the target analyte labeled with a first conjugate of the conjugates; and~~

~~a second test zone in the plurality of zones including at least one of second immobilized antibodies or second immobilized antigens to attach to the target analyte labeled with a second conjugate of the conjugates.~~

~~2. The device of claim 1, wherein a location of the first test zone and the second test zone within the test grid is related to identifying information of the device.~~

~~3. The device of claim 2, wherein the identifying information is included on a housing of the device.~~

~~4. The device of claim 1, wherein the target analyte is a first target analyte, the conjugates are first conjugates, and the conjugate pad includes second conjugates for a second target analyte,~~

~~wherein the test grid includes a third test zone in the plurality of zones including at least one of third immobilized antibodies or third immobilized~~

~~antigens to attach to the second target analyte labeled with a conjugate of the second conjugates.~~

~~5. The device of claim 1, wherein the test grid includes a control zone in the plurality of zones including at least one of third immobilized antibodies or third immobilized antigens to attach to conjugates not bound to the target analyte.~~

~~6. The device of claim 1, wherein the test grid includes a blank zone in the plurality of zones that does not include immobilized antibodies or immobilized antigens.~~

~~7.~~1. A method of generating a testing grid of a device for use with a fluid sample, the method comprising:

obtaining a code corresponding to identification information on the device;

determining a test grid pattern value based on the identification information; and

applying at least one of immobilized antibodies or immobilized antigens corresponding to a target analyte to a zone in a two dimensional test grid on a porous membrane of the device according to a test grid pattern corresponding to the test grid pattern value.

~~8.~~2. The method of claim ~~7~~1, wherein the code corresponds to at least one of a production date, an expiry date, or a production identifier.

~~9.~~3. The method of claim ~~7~~1, further including calculating a modulo based on the identification information to determine the test grid pattern value.

~~10.~~4. The method of claim ~~7~~1, wherein different identification information corresponds to different test grid patterns.

~~11.~~5. The method of claim ~~7~~1, further including applying a calibration pattern to a housing of the device.

~~12.~~6. The method of claim ~~7~~1, wherein the code is printed on a housing of the device.

~~13.~~7. The method of claim ~~7~~1, wherein the two dimensional test grid includes one or more zones corresponding to one or more test analytes.

~~14.~~8. The method of claim ~~7~~1, wherein the test grid pattern corresponds to a number of target analytes and a number of parts per line, a total number of different combinations for the testing grid pattern of the two dimensional grid being equal to a factorial of the number of parts per line to a power of the number of the target analytes.

~~15.~~9. A method for reading a fluid sample on a device, the method comprising:

obtaining a code corresponding to a device;

obtaining test zone information related to test zones based on the code;

identifying target zones that correspond to a target analyte based on the test zone information; and

determining a result corresponding to a presence of the target analyte based on a presence or an absence of an optical signal in respective ones of the target zones in an image of a test grid of the device.

~~16.~~10. The method of claim ~~15~~9, wherein the code is obtained from a user interface or a sensor.

~~17.~~11. The method of claim ~~15~~9, further including performing a modulo operation on the code to determine a value, the test zone information corresponding to the value.

~~18.~~12. The method of claim ~~15~~9, further including:

processing an image of a calibration pattern on the housing; and

assessing a calibration of the device based on the calibration pattern.

~~19.~~13. The method of claim ~~18~~12, further including preventing the determining of the result when the calibration indicates that the device is not calibrated.

~~20.~~14. The method of claim ~~15~~9, wherein the optical signal includes a color, wherein the determining of the result includes:

when more than a first threshold of the target zones in the image correspond to a first color, determining a positive result; and

when more than a second threshold of the target zones in the image correspond to a second color, determining a negative result.

~~21.~~15. The method of claim ~~15~~9, further including:

obtaining the image using a sensor of a mobile device, the mobile device determining the result; and

displaying the result on a display of the mobile device.

~~22.~~16. The method of claim ~~15~~9, wherein the obtaining of the test information includes selecting a test grid pattern corresponding to the code.