

magnetical or optical memory member, e.g. EEPROM, FRAM, PROM or battery backed RAM, readable and/or writable via electric or electronic data transfer means or at least one magnetic stripe or an optical memory or a two dimensional barcode.

8. A diagnosis and/or analysis apparatus of a system for point of care diagnosis and/or analysis of body fluids of a patient, comprising:

electric connecting means (13) connectable to connecting means (8) of a cartridge (2), wherein at least one electrical value each correlating with the concentration of a component of a sample of the patients body fluids to be diagnosed and/or analysed is measurable at the connecting means (8) of the cartridge (2),

diagnosing and/or analysing means (14) for measuring the respective concentration values via the connecting means (8, 13) and evaluating them for determining the concentration of the respective component,

reading means (15) for reading cartridge specific data and/or information stored in storage means (10) of the cartridge (2),

wherein the diagnosing and/or analysing means (14) perform the measurement and/or the evaluation of the respective concentration values in accordance to the cartridge specific data and/or information.

9. The diagnosis and/or analysis apparatus of claim 8, wherein the diagnosing and/or analysing means (14) evaluate the respective concentration values by use of appropriate coefficients and/or parameters and/or algorithms for determining the concentration of the respective component, and wherein the diagnosing and/or analysing means (14) select the appropriate coefficients and/or parameters and/or algorithms in accordance to the cartridge specific data and/or information.

10. The diagnosis and/or analysis apparatus according to claim 8 or 9, wherein the cartridge specific data and/or information comprises at least one of the following data and/or information:

calibration and/or characterisation data relating to the respective cartridge (2),

manufacturing lot data relating to the lot, to which the respective cartridge (2) belongs,

production date of the respective cartridge (2),

shelf life information or expiry date of the respective cartridge (2),

cartridge type information,

unique serial number of the respective cartridge (2).

11. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 10, wherein the diagnosis and/or analysis apparatus (3) is provided for use with a cartridge (2) having means (9) for measurement of the temperature of the sample, wherein an electrical value correlating to the temperature of the probe is measurable at the connecting means (8) of the cartridge (2), wherein the diagnosing and/or analysing means (14) additionally measure the respective temperature value via the connecting means (8, 13), wherein the cartridge specific data and/or information comprise calibration data of the respective temperature measurement means (9), wherein the diagnosing and/or analysing means

(14) evaluate the respective temperature value by use of appropriate coefficients for determining the probe temperature, wherein the diagnosing and/or analysing means (14) select the appropriate coefficients in accordance to the respective calibration data, and wherein the diagnosing and/or analysing means (14) evaluate the respective concentration value in accordance to the probe temperature.

12. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 11, wherein writing means are provided for writing to the storage means (10) of the cartridge (2), wherein processing means are provided for controlling the storing and/or altering of following additional data and/or information:

in case of a single use cartridge (2) it is stored, whether it is used or not,

in case of a multiple use cartridge (2) it is stored, how often and/or since when it is used,

the results of each diagnosis and/or analysis relating to the respective cartridge (2) are stored, wherein a patient identification information and/or an operator identification information and/or an identification information relating to the diagnosis and/or analysis apparatus (3) and/or the date of the diagnosis and/or analysis may be stored additionally.

13. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 12, wherein the reading means (15) and/or the writing means cooperate with the storage means (10) via the respective connecting means (8, 13) or via radio frequency transfer means (11, 16), for reading and/or storing and/or altering the data and/or information in the storing means (10).

14. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 13, wherein the reading means (15) and/or the writing means are provided for reading and/or writing on and/or altering storage means (10) comprising an electrical memory member, e.g. EEPROM, FRAM, PROM or battery backed RAM, readable and/or writable via electric or electronic data transfer means, or at least one magnetic stripe or an optical memory or a two dimensional barcode.

15. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 14, wherein the diagnosing and/or analyzing means (14) compare the expiry date of the connected cartridge (2) with the current date, and perform the measuring and/or evaluating of the respective values, only if the expiry date is not exceeded.

16. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 15, wherein the diagnosing and/or analyzing means (14) compare the serial number of the connected cartridge (2) with invalid serial numbers stored in a memory member (18) of the diagnosis and/or analysis apparatus (3), and perform the measuring and/or evaluating of the respective values, only if the serial number of the connected cartridge (2) is not invalid.

17. The diagnosis and/or analysis apparatus according to any one of the claims 8 to 16, wherein the diagnosing and/or analyzing means (14) in case of a connected single use cartridge (2) check, whether it is used, and in case of a connected multiple use cartridge (2) check, how often and/or since when it is used, and perform the measuring and/or evaluating of the respective values, only if the connected cartridge (2) is still usable.