

51

46. The system of claim 30 wherein the external device is capable of transmitting information concerning said signal to a patient.

47. The system of claim 17 wherein the external device transmits information concerning said signal simultaneously to the patient and to a medical care practitioner.

48. A method for detecting an analyte in a bodily fluid of a subject, comprising:

a) providing a system of claim 30;

b) allowing a sample of bodily fluid to react with the reactants contained within said assay assembly to yield one or more detectable signal(s) indicative of the presence of said analyte; and

c) detecting said detectable signal(s).

49. The method of claim 48 further comprising quantifying the amount of said analyte present in said sample.

50. The method of claim 48 further comprising comparing the amount of said analyte to a predetermined amount of said analyte.

51. The method of claim 41 further comprising taking medical action when the amount of said analyte is statistically different than said predetermined amount.

52. The method of claim 51 wherein the medical action comprises altering a subject's dosage of a therapeutic agent.

53. The method of claim 51 wherein the medical action comprises notifying a pharmacy that a prescription for such subject needs to be altered.

54. The system of claim 30 wherein the protocol dictates the actuation of one or more element of the device, thereby directing fluid movement.

52

55. The system of claim 30 wherein the transmitted information includes at least one physiological parameter of the subject.

56. The system of claim 13 wherein the external device further comprises a means for receiving and aggregating a plurality of signals to effect trending of the presence and/or concentration of said plurality of analytes taken at various time points over a given period of time.

57. The system of claim 42 wherein the external device further comprises a means for receiving and aggregating a plurality of signals to effect trending of the presence and/or concentration of said plurality of analytes taken at various time points over a given period of time.

58. The system of claim 3 wherein the means comprises a processor programmed to receive and aggregate said plurality of signals.

59. The system of claim 32 wherein the means comprises a processor programmed to receive and aggregate said plurality of signals.

60. The system of claim 56 wherein the means comprises a processor programmed to receive and aggregate said plurality of signals.

61. The system of claim 57 wherein the means comprises a processor programmed to receive and aggregate said plurality of signals.

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