LANCETS FOR BODILY FLUID SAMPLING SUPPLIED ON A TAPE

ABSTRACT

A supply of lancets (28) for a multi-use lancing device are carried by a tape (22) and sequentially brought from a storage position to an activating position by advancing the tape around a bend (39). The lancets are non-circular in cross-section along their longitudinal lengths, and in their activating position they extend from the tape such that their sharp tips (31) are available for lancing tissue. The carrying tape can be arranged in reel-to-reel format in a housing having a lancing opening. The lancets can be integral with the tape and activated to move the lancet through the lancing opening by moving the tape along its tape path or by translating a dedicated service loop of the tape. The lancets can also be independent from the tape and activated through the lancing opening by a separate lancing actuator. A test media can be included on the carrying tape and the housing can contain a sensor to yield an integrated lancing and testing device.

FIGURE 1