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(54) Title: METHOD FOR PERFORMING BLOOD CELL COUNTS (57) Abstract A method for evaluating constituents of a sample of substantially undiluted anti-coagulated whole blood is provided which includes the steps of: a) providing a sample chamber (10); b) admixing a sensible colorant with the sample of whole blood; c) inserting the admixed sample into the sample chamber; d) quiescently holding the admixed sample for a period until rouleaux (30) and lacunae (32) form within the sample; and e) evaluating a target constituent disposed within the lacunae (32). The diagram shows a perspective view of a rectangular sample chamber (10). It consists of a base plate (16) and a rectangular frame (18) mounted on top. A central rectangular area (28) is defined within the frame, likely representing the sample chamber where the blood sample is placed.		