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gen to effect binding of the free unbound labelled and unlabelled antigen to the immobilized immunoabsorbent while said labelled and unlabelled antigen bound to said antibody passes through said chamber,

5 flowing an eluting solution through said chamber to effect release of the labelled and unlabelled antigen bound to said immobilized immunoabsorbent, counting the radioactivity of at least one of the labelled and unlabelled antigen bound to said antibody and the labelled and unlabelled antigen released from the immobilized immunoabsorbent as a function of the quantity of antigen in said serum.

10 7. In a process as set forth in claim 6 wherein the binding activity of said immobilized immunoabsorbent 15

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is not less than 80% of the concentration of the antigen in said serum sample.

8. In a process as set forth in claim 6 wherein 80% or more of the free unbound labelled and unlabelled antigen flowed through said chamber is bound to the immobilized immunoabsorbent.

9. In a process as set forth in claim 8 wherein the steps are carried out at room temperature.

10. In a process as set forth in claim 7 wherein the preincubation is conducted for a period of time sufficient to establish an equilibrium between the labelled and unlabelled antigen bound to the antibody and the free and unbound labelled and unlabelled antigen.

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