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separation device described above is not limited to this embodiment and may be used for separation of any kind of cell, protein or particle from an aqueous sample. While the described embodiment represents the preferred embodiment of the present invention, it is to be understood that modifications will occur to those skilled in the art without departing from the spirit of the invention. The scope of the invention is therefore to be determined solely by the appended claims.

What is claimed is:

- 1. A device for separation of neutrophils from platelet rich plasma comprising:
  - an inlet end portion comprising an inlet port for receiving a sample of platelet rich plasma;
  - an outlet end portion comprising at least one collection port for removing neutrophil-depleted platelet rich plasma;
  - and

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- a flow path placed within an electric field comprising a tubular material in fluid communication with the inlet port and the at least collection port;
  - wherein the tubular material is latticed or coiled, and has a diameter of 10-100 microns; and
  - wherein the outlet end has a positive charge and the inlet end has a negative electrical charge.
- 2. The cell separation device of claim 1, wherein the tubular material is made of plastic or silicon.
  - 3. A blood filtering device that includes the cell separation device of claim 1.
  - 4. A device for producing platelet rich plasma which includes the cell separation device of claim 1.

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