What is claimed is:

1. A method of isolation of platelet-rich plasma, comprising:

providing the kit comprising:

a first isolation tube, comprising a first opening and a second opening, and

a second isolation tube, comprising a first portion, a second portion, and a filter;

wherein a length of the first isolation tube and the second isolation tube is between 10 to 20 cm, and

wherein the first portion of the second isolation tube has a third opening,

wherein the filter is disposed between the first portion and the second portion,

wherein the second opening has a diameter in a range of 1 to 5 mm,

wherein a diameter of the first isolation tube reduces toward the second opening and forms a tip,

wherein the filter has a pore size in a range of 1.5 to 4 μm, and

wherein the filter is permeable only for platelets and plasma and the filter is impermeable to leukocytes;

disposing a blood sample in the first isolation tube through the first opening;

centrifuging the first isolation tube to separate a bottom layer, a buffy coat layer, and an upper layer;

discarding the bottom layer from the second opening;

transferring the buffy coat and the top layer to the second isolation tube through the third opening;

centrifuging the second isolation tube to collect the platelet-rich plasma having little or no erythrocytes and leukocytes in the second portion.

2. The method of claim 1, wherein the centrifugation is performed by 2,200 to 2,400 g.

3. The method of claim 1, wherein a ratio of lengths of the first portion and the second portion of the second isolation tube is between 45:55 to 35:65.

4. The method of claim 3, wherein the ratio of lengths of the first portion and the second portion of the second isolation tube is approximately 40:60.

5. The method of claim 1, wherein the first portion and the second portion of the second isolation tube are dismantlable.

6. The method of claim 1, further comprises a first cap, a second cap, and a third cap to cover the first opening, the second opening, and the third opening, respectively.