29. A centrifuge bowl according to claim 21, wherein the at least one vibration reduction member increases the natural vibration frequency of the rotatable body, thereby reducing vibration of the centrifuge bowl as the bowl is rotated.

30. A centrifuge bowl according to claim 1, wherein the plurality of vibration reduction members increase the natural vibration frequency of the neck portion, thereby reducing vibration of the centrifuge bowl as the bowl is rotated.

31. A ~~centrifuge bowl~~ according to claim 11, wherein the plurality of vibration reduction members increase the natural vibration frequency of the neck portion, thereby reducing vibration of the centrifuge bowl as the bowl is rotated.

29. A centrifuge bowl according to claim 21, wherein the at least one vibration reduction member increases the natural vibration frequency of the rotatable body, thereby reducing vibration of the centrifuge bowl as the bowl is rotated.

30. A centrifuge bowl according to claim 1, wherein the plurality of vibration reduction members increase the natural vibration frequency of the neck portion, thereby reducing vibration of the centrifuge bowl as the bowl is rotated.

31. A blood processing system according to claim 11, wherein the plurality of vibration reduction members increase the natural vibration frequency of the neck portion, thereby reducing vibration of the centrifuge bowl as the bowl is rotated.