

Cytospin Instructions

These are general guidelines to help remind users who have already been trained:

1. The number one thing to remember when using the Cytospin is that the rotor must be removed from the centrifuge unit before opening or closing the cover on the rotor. The rotor is very delicate and must be handled with care.
2. Remove the rotor from the Cytospin. Prepare your slide by placing a slide into the slide holder. Place one of the slide filters on top of the slide. Next place the slide funnel onto the slide filter, lining up the holes to make sure that the cells will be forced onto the slide.
3. Add 200 μ l of a cell suspension that has a concentration of 1×10^6 cells/ml to the slide funnel.
4. Remove the cover of the rotor by pulling up on the silver lift tab in the center. Place each slide holder into the rotor, making sure to balance them out as you would with any other centrifuge.
5. Replace the rotor cover by pulling up on the silver lift tab, and pushing it down until it locks into place. Place the rotor into the Cytospin.
6. Adjust the setting on the cytospin to get the correct setting for your samples: 1,000rpm for 5-10min 3,500cells/0.5ml or 350cells/0.5ml, or 2,000 for 5-10min 3,500cells/0.5ml or 350cells/0.5ml
7. Push the start button to begin.
8. Once the Cytospin has completed its run remove the rotor again and remove your slides. Let the slides dry for a few minutes before staining or viewing. Replace the rotor once empty.
9. Wash the funnels in the sink. If infectious agents, such as bacteria, were used, wash the funnels in the 10% bleach solution provided.
10. Allow the funnels to dry in the sink.
11. Fill out one of the Usage cards by the instrument and drop it in the Usage Box on your way out.