

MICROCON-100 vs. MICROCON DNA FAST FLOW

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Millipore is replacing the Microcon-100 filters with Microcon DNA Fast Flow filters, which have a new membrane. The Wisconsin State Crime Laboratory – Milwaukee (MSCL) tested the new Fast Flow filters to determine if they would be a good replacement for the Microcon-100 devices. Both filters were tested using samples of semen (1 μ L, 5 μ L, 10 μ L), blood on denim (1 μ L, 5 μ L, 10 μ L), whole buccal swabs, and whole vaginal swabs; all samples were run in triplicate. Time for centrifuging was recorded; quantification values and electropherogram peak heights were compared and analyzed. The times between Microcon-100 and Fast Flow were very comparable; Fast Flow was slightly faster for the semen, blood and vaginal swab samples. When comparing quantification values and peak heights, the differences between Microcon-100 and Fast Flow were minimal. Neither the Microcon-100 nor the Fast Flow filter proved to be consistently better than the other. From this, it was determined that the new Microcon DNA Fast Flow filter would be a suitable replacement for the Microcon-100 filter. ☞