Gently mix the EDTA blood tube by inverting 8-10 times
Fill a pipette with 1 ml fresh EDTA blood
Mix 1 mL of blood with 9 mL lysing solution (2% formalin in tap water) in a tube.
5 μm pore size filter
Filter holder
O ring
Place the filter and the O ring in the filter holder
Close apparatus by screwing it
Fill a syringe with the 10 ml lysed blood, attach it to apparatus and empty the syringe.
Refill syringe with water and pass it through the filter to wash away remaining small debris.

Refill syringe with air, reattach to the filter apparatus, and express to dry.
Open the apparatus unscrewing it

Remove the filter
Put one drop of stain on a slide (methylene blue or cresyl blue solution) and place the filter upside-down.

or place it right-side-up, add a drop of stain and add coverslip.
Scan the stained filter at low magnification (5-10x objective) for microfilariae
Microfilariae can be evaluated for morphometric features with high magnification (40-100x objective).