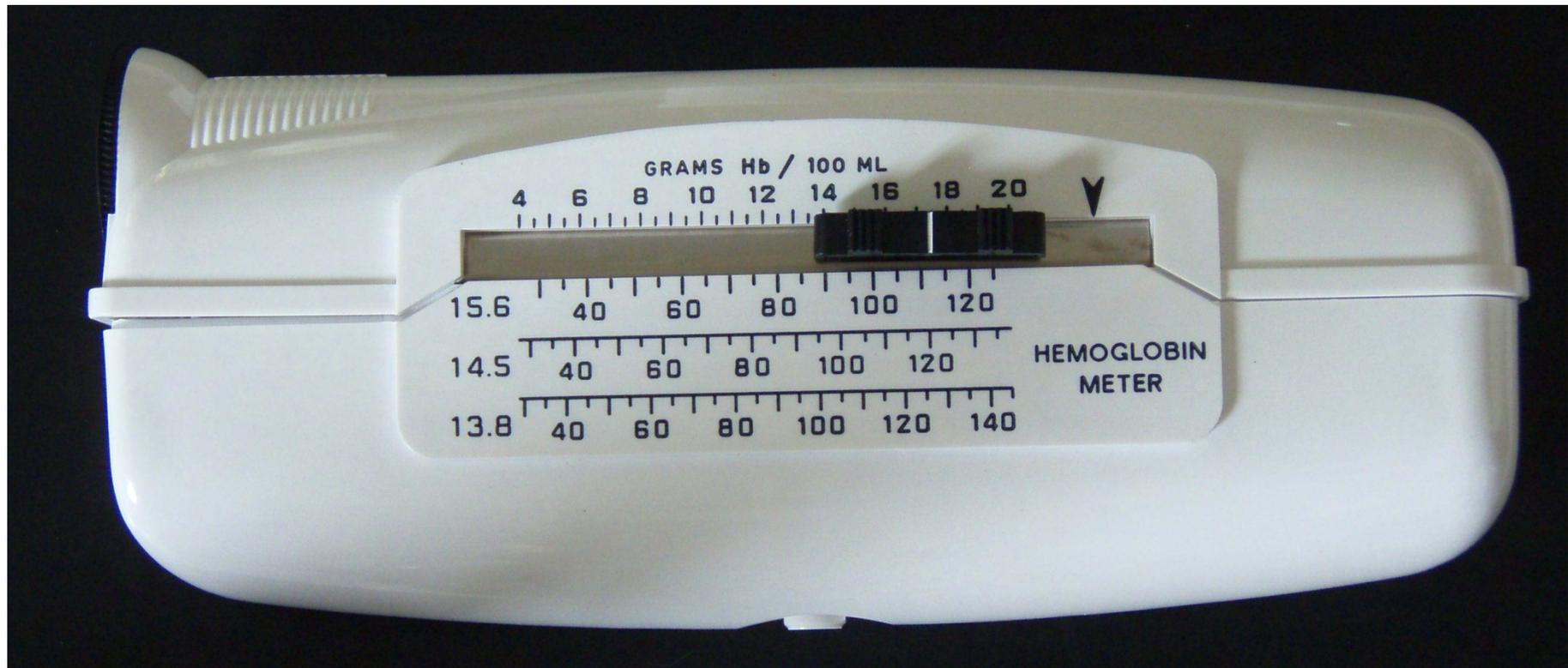


# THE HAEMOGLOBINOMETER

( H B meter )



PMTCT monitoring



Department of Health  
Republic of South Africa

# Use of portable haemoglobin machine



**ark**  
absolute return for kids



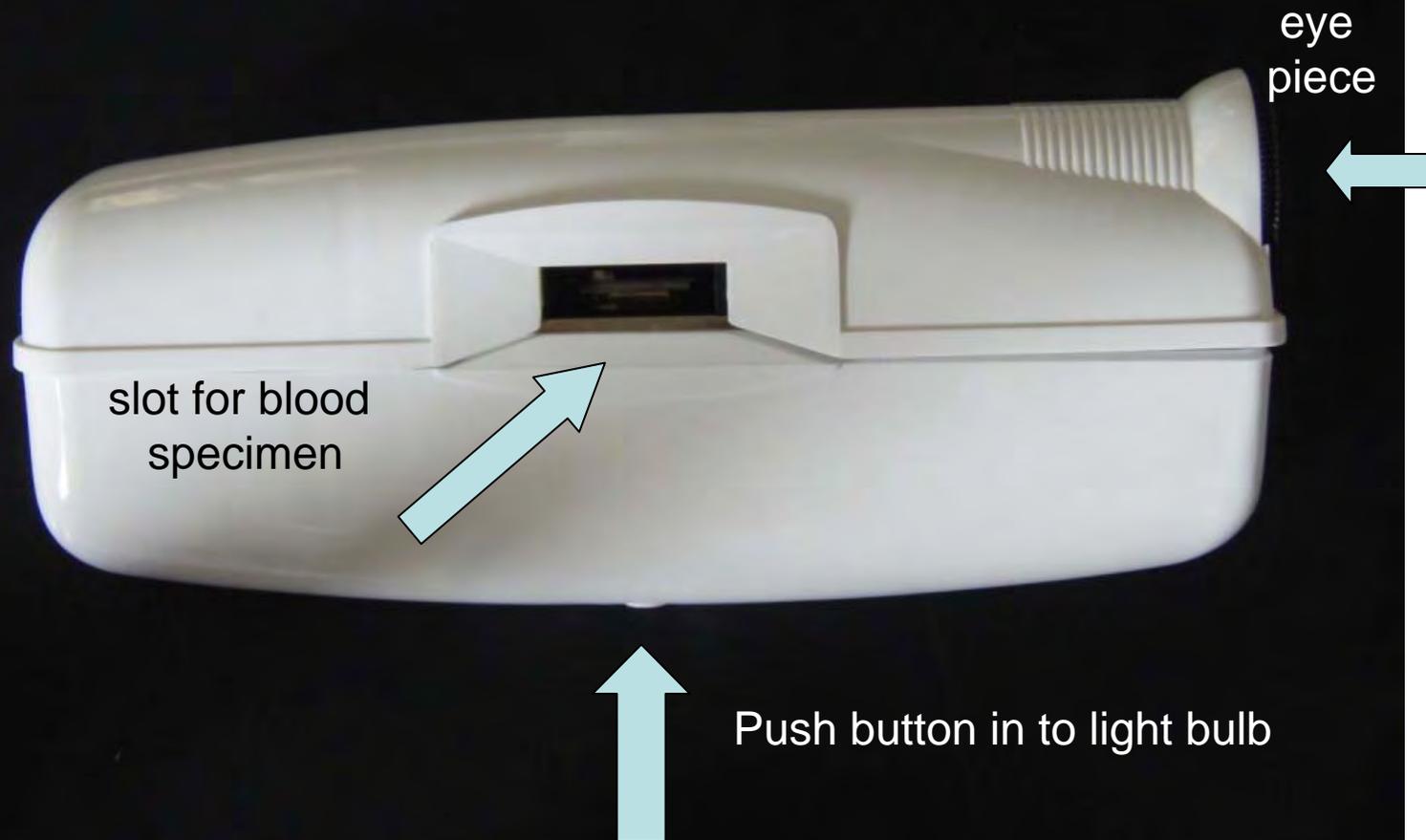
# Devices for screening of Hb

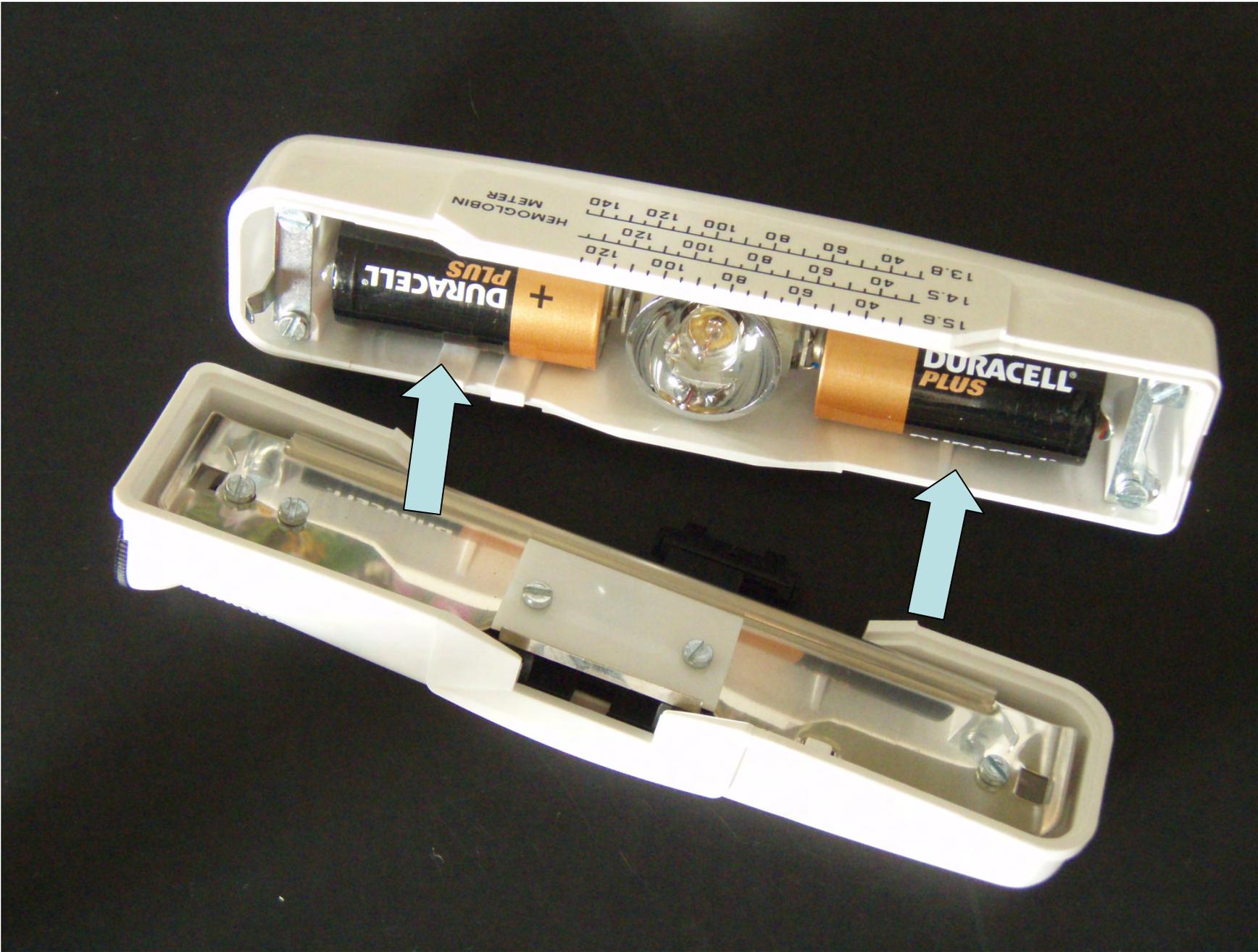
- hand held and portable
- *Optical* - less expensive, more reliable
- *Digital* - more expensive, more fragile, requires a *new test strip* to perform each test



# THE HAEMOGLOBINOMETER

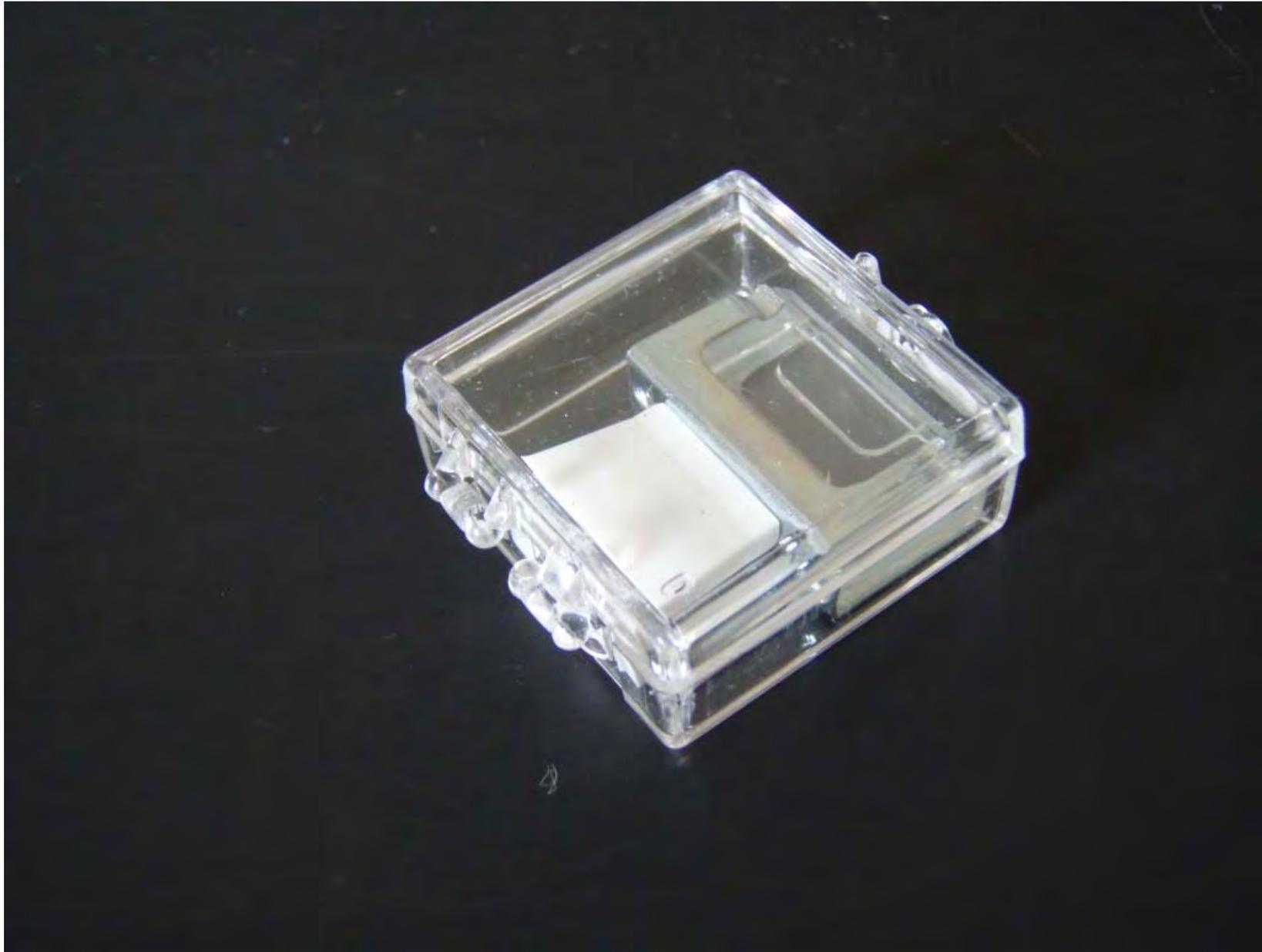
( optical )



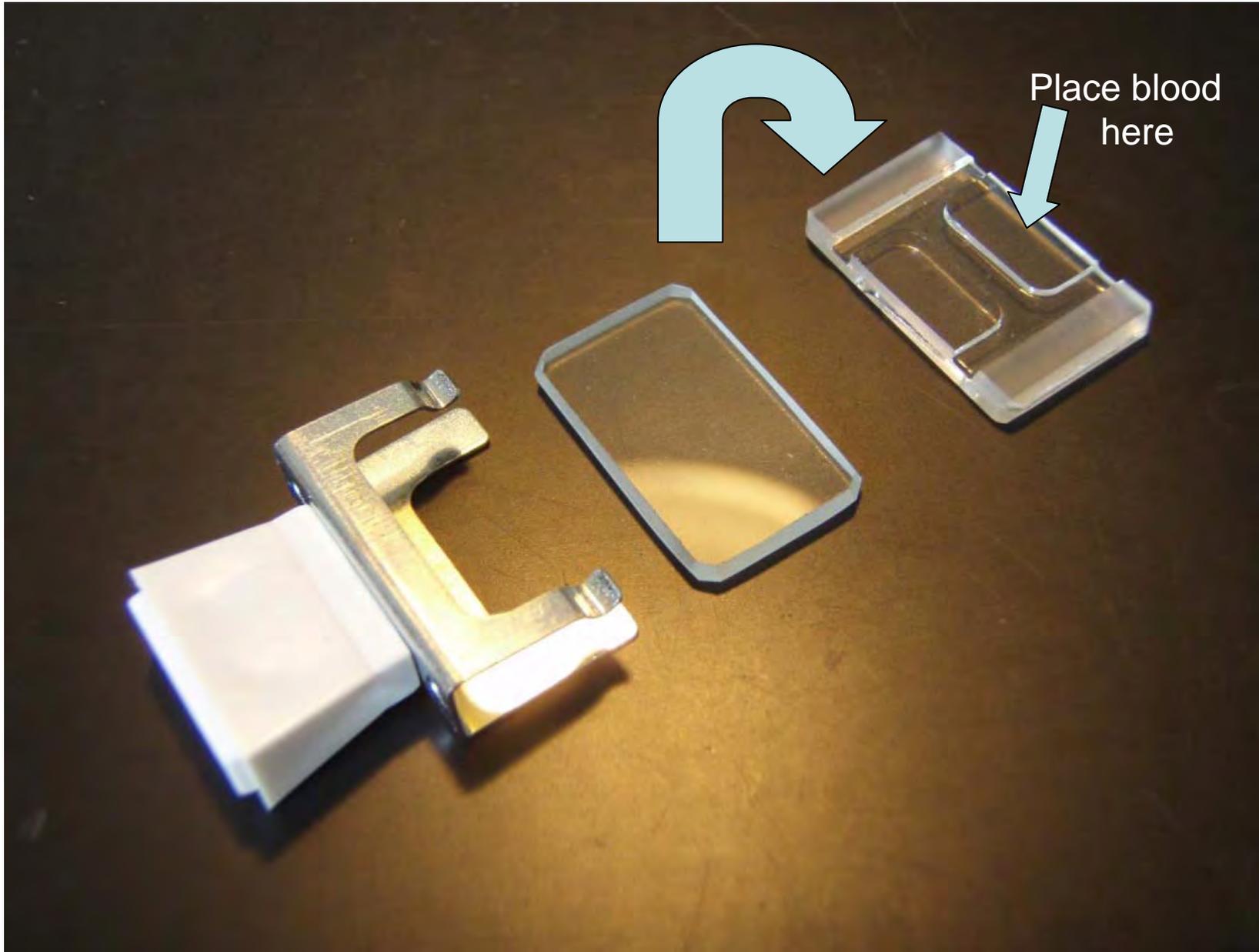


TEAR HERE  
STERILIZED STAINLESS STEEL  
DISPOSABLE READY FOR USE  
POINT HERE  
**PROCARE™**  
STERILIZED STAINLESS STEEL





Blood chamber set ( in small box )



Place glass cover OVER blood sample chamber and wipe away excess blood

# Haemolysation of blood

- whole blood is not transparent
- the haemolysation process breaks down the RBC membranes → uniform solution which is transparent
- gently agitate the drop of blood with the applicator for 15 to 25 seconds ( free of all dark spots and air bubbles )





Haemolysis applicator



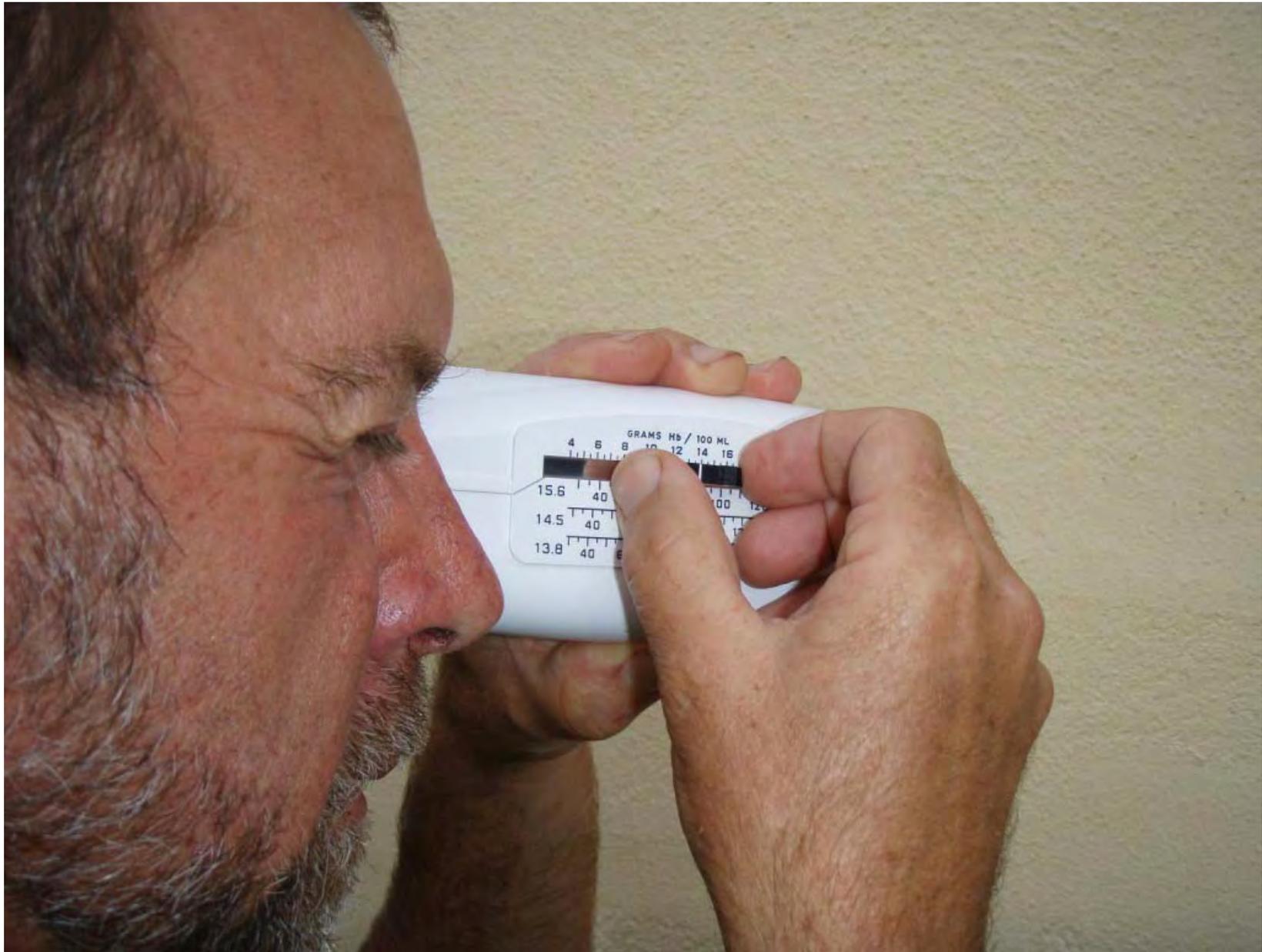
Assemble blood chamber set



Push into blood chamber slot



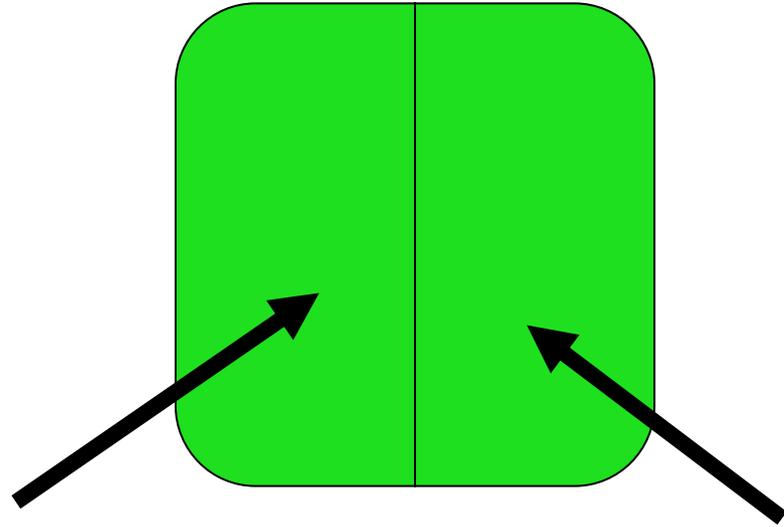
Slide back or forward until green colour matches



# H B Meter

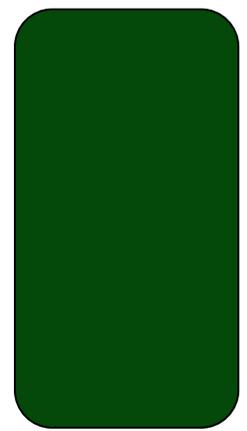
- fast readings in less than 30 seconds
- accurate to within  $\pm 5\%$  of true value
- economical - only 50c per reading
- durable and easy to use
- operates on 2 " C" batteries
- match the left and right side of the square green screen to get a Hb reading



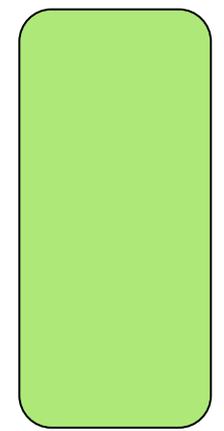


The colour of the left side of the green square is *fixed*.

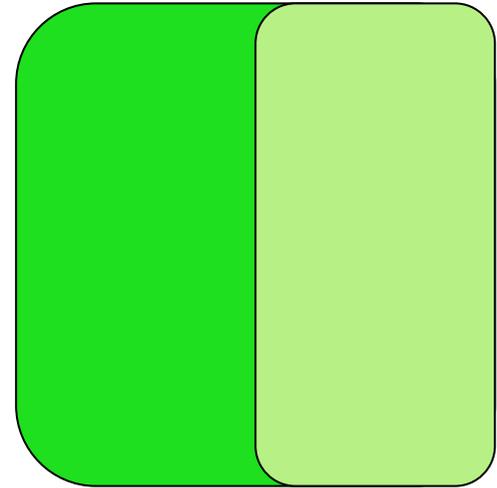
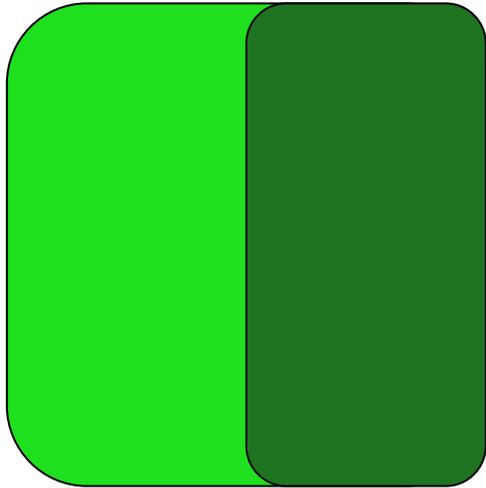
The colour of the right side of the square *changes* as the button slides:



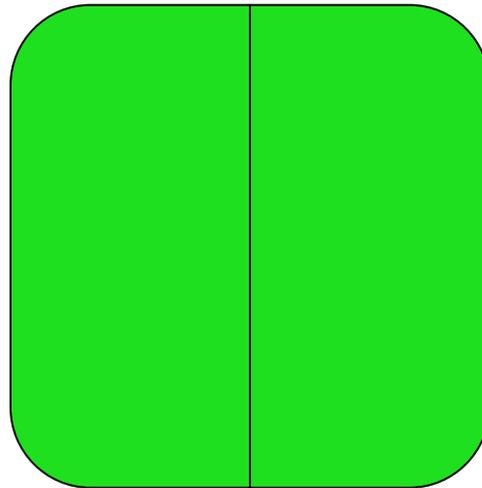
Dark green



Light green



Read haemoglobin ( Hb )  
values when two sides  
of square are a  
MATCHING colour.



\*Rinse slide after use.



**Department of Health**  
*Republic of South Africa*



SOUTH AFRICANS AND AMERICANS  
IN PARTNERSHIP TO FIGHT HIV/AIDS  
IN PARTNERSHIP TO FIGHT HIV/AIDS



**USAID**  
FROM THE AMERICAN PEOPLE