

# RapidScan DSK

RapidScan DSK is the powerful tool providing every features you need to design the parameters of lateral flow rapid test. Developer can finish all settings in 15 minutes with 3 easy steps!

## Product Content

### PRO Software



### PC reader

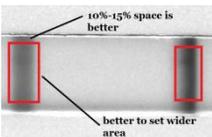


### Customized Adapter



## 3 easy steps for setting

### 1 Define region of interest



Set ROI of C,T line



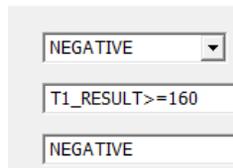
Select light for fluorescent or colorimetric assay



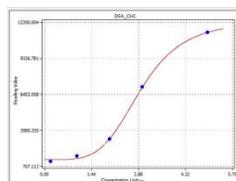
Unique RGB mode setting to optimize value of intensity

### 2 Set cut-off value or standard curve

Set cut off value for qualitative kit



Set standard curve for quantitative kit

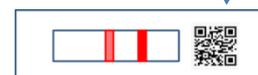


### 3 Save parameters to QR code file

Parameters can be saved to QR code file.

QR code can be read by all RapidScan readers for:

- ✓ Lot update to reader
- ✓ New kit update to reader

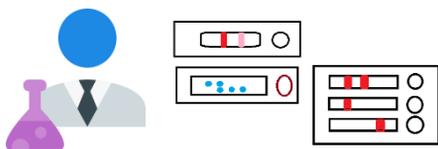


# Key benefits @different phases

## Benefits

- Helping developer to select reagent/materials with image & data
- Define the control & test line's concentration
- Define the LoD (limitation of detection) of kit
- Analysis data export to csv with image
- Lot parameters adjustment
- Providing flexible QR code format for different user scenarios

### 1. Lateral flow R&D



- Capable to define ROI for different format of kit
- Providing Images & intensity value
- Export data to csv file for further analysis
- RGB tool to find out optimized test line intensity

### 2. Production QC



- Lot quality verification
- Standard curve setting
- Cut off value adjustment

### 3. Upload test kit's profile to reader



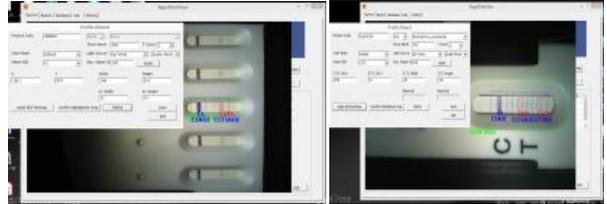
- Flexible QR code format support
  1. QR code label on kit
  2. Dual QR code label adapter
  3. Index QR code

# Main Features

## 1. Flexible ROI setting of C/T line

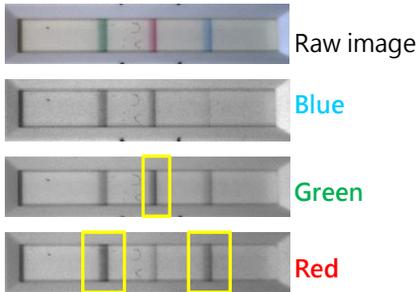
Our tool work with kit of different format

- Single T line / Multiple T lines
- Multiple strips



## 2. RGB mode optimize intensity value

Red/Green/Blue setting help developer to find out optimized intensity value of test lines when developer test different latex beads or colloidal gold

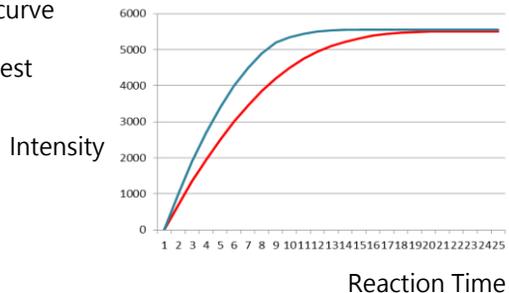


## 3. Real time observation of test reaction

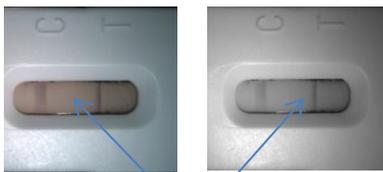
Easily obtain test line value during reaction time



Comparing reaction curve of different reagent / material to find out best combination



## 4. Smart background noise removal



Software remove dark red background caused by whole blood sample.

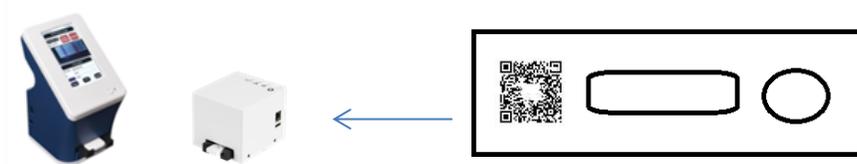
# Flexible QR code format

RapidScan DSK have flexible QR code design interface provides various solutions to test manufacturer:

1. All parameters in one QR code
2. QR code adapter
3. Index QR code

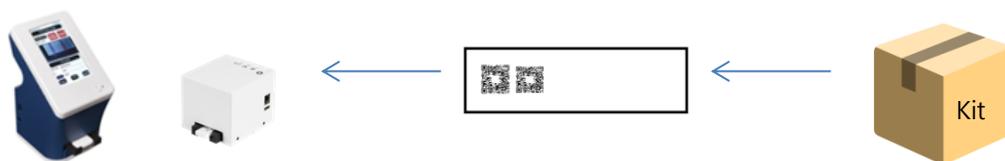
## 1. All parameters saved in one QR code

- If test kit's parameters can be saved in one QR code file, kit manufacturer can generate a QR code file via DSK and attach a label or print it on every kit's cassette
- Reader automatically identify kit's lot data and generate result by reading QR code



## 2. QR code adapter: Multiple QR code scenario

- If kit's data is too big, DSK can save all parameter to multiple QR code files.
- Test manufacturer simply include one QR code adapter in each box of kit
- User need to insert QR code adapter to reader for data upload first, before using kit of each box



## 3. Index QR code scenario

- If test kit's lot data is saved in cloud, or is too complicated, test manufacturer can include a simple index QR code on each kit
- When reader read index QR code, reader will link to cloud to download its correspondent lot parameters and do analysis

