



**CAL 8000**



**New Generation Cellular Analysis Line**

Smarter workstation, simpler workflow

**mindray**  
healthcare within reach

# CAL 8000

## New Generation Cellular Analysis Line



Re-exam: transport the samples that require blood smears, as per the pre-defined re-exam criteria



The stock yard can hold up to 300 sample tubes at a time. From here the users can select the sample tubes which need further analysis.

The re-exam criteria on CAL 8000 can be defined by many conditions, such as time, patient age, gender, department, etc. This helps minimize the number of blood smears.



Mindray provides original slides to ensure quality of blood smears and reliable performance of SC-120.



Mindray provides original stains as well as buffer fluid to ensure high quality of staining.



All reagents as well as the pneumatic unit can be set in the trolley below respective BC-6800 or SC-120. In this manner, the reagents and pneumatic unit are well organized permitting easy reagent replacement.



Rerun: keep the previous test result, and rerun the sample in same test mode (for suspect results)



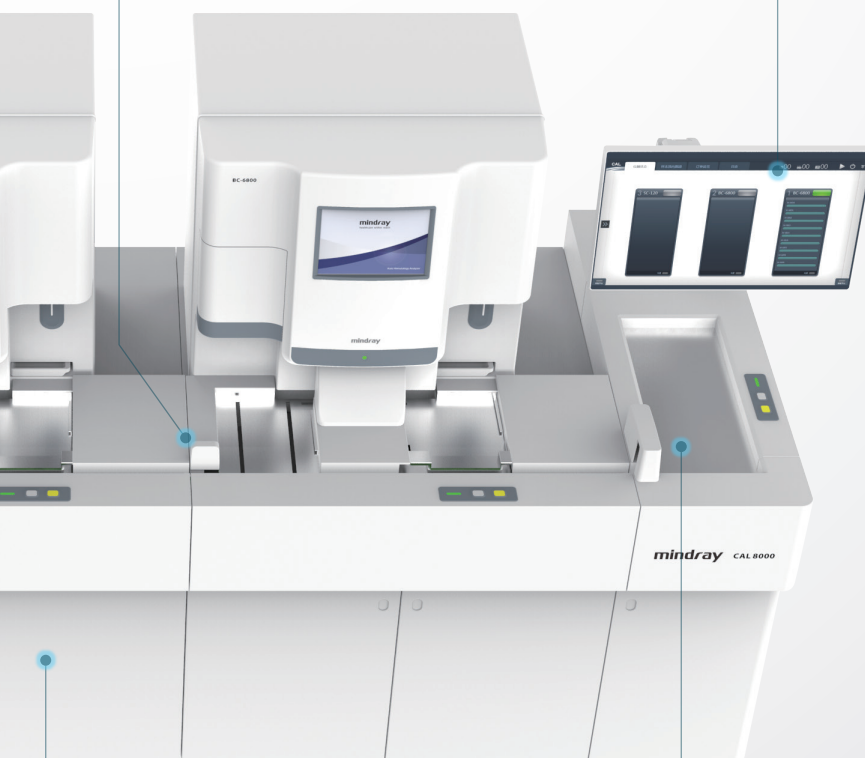
Reflex: add some test items such as "NRBC" or "PLT-O" (in case of suspected results for the parameters)



The CAL 8000 can automatically distribute the samples with "Repeat", "Rerun" and "Reflex" criteria which are pre-defined by users.



The touch screen is the "brain" of CAL 8000. It optimizes the distribution of workload between each BC-6800 unit and decides which sample requires a blood smear. It displays the status of each BC-6800 or SC-120 installed on CAL 8000 as well as the volume of balance reagent. This intuitive software can tell the users all necessary information of CAL 8000 at any given time. Consequently, the users will spend less time operating CAL 8000 and arrange their working schedule better.



The start yard can hold up to 200 sample tubes at a time. The STAT position provides an option for a faster blood count. The whole CAL 8000 can be started by just pressing one button.



The special tube racks utilize different barcodes to differentiate specific usages, such as "QC", "Slide making & staining only" and "RET test only". The special tube racks can carry the tubes to perform these specific functions in the simplest way.

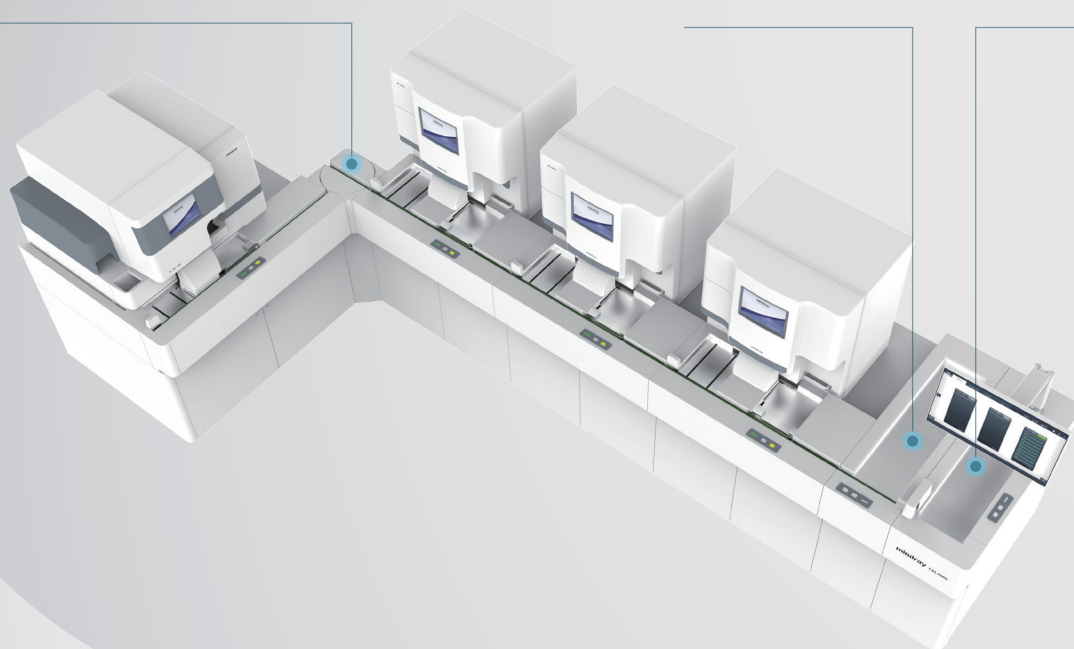
## Turn module

The turn module can turn the sample racks in another direction.

## Stock yard

## Start yard

The start yard and stock yard can be located at the same or different sides.



## Additional stock yard

300 sample tubes

## Additional start yard

580 sample tubes

## Start yard

200 sample tubes



## Additional stock yard

300 sample tubes

## Stock yard

300 sample tubes



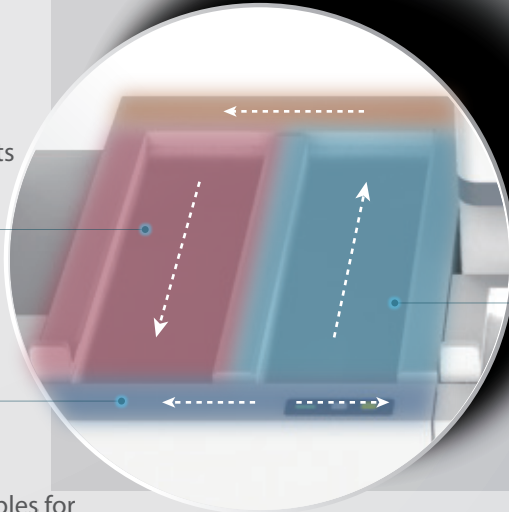


## Buffer module



### Step 2

Manual review  
of sample results  
by labXpert

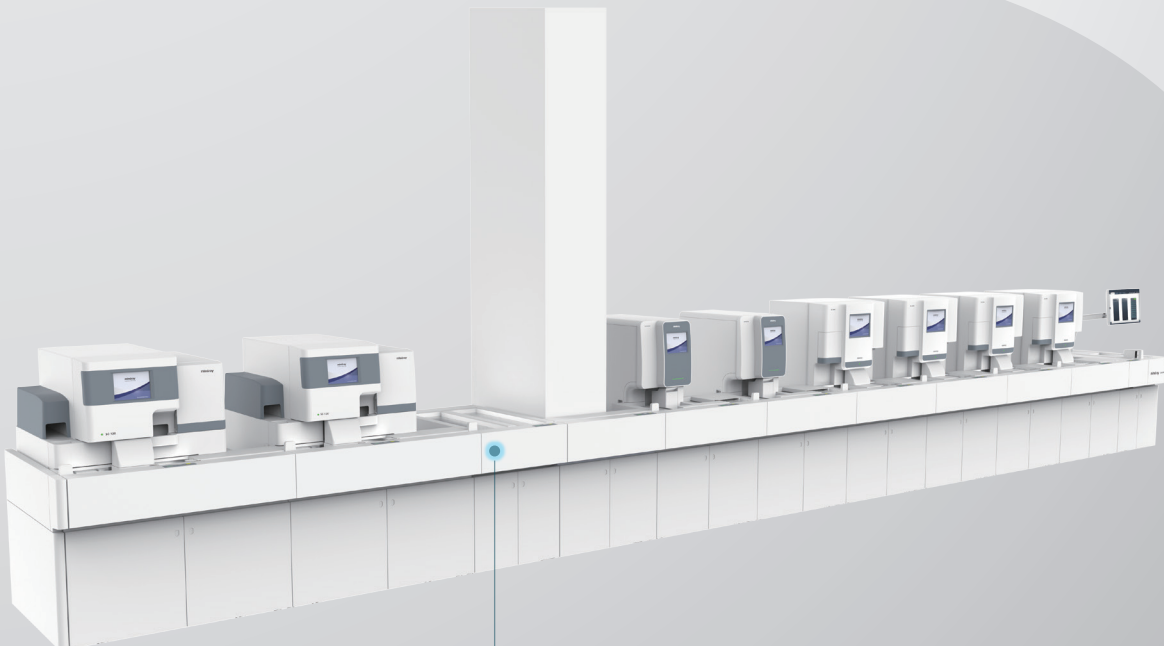


### Step 1

Samples waiting in the  
buffer module

### Step 3

Delivering samples for  
slide making, rerun, reflex  
or to stock yard according  
to orders from labXpert



## Extended track

## A complete cellular analysis solution:

More analyzers, including HPLC and CRP analyzers can be integrated into the CAL 8000.

### H50

50 HbA1c tests per hour

### CRP-M100

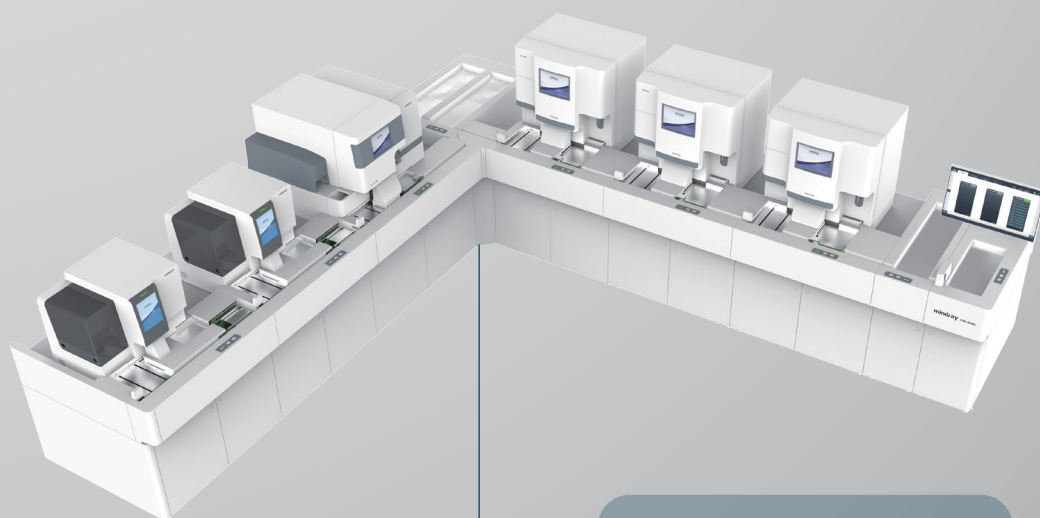
100 CRP tests per hour



## More flexible layouts with the CAL 8000 optional parts



Outer L-shaped layout

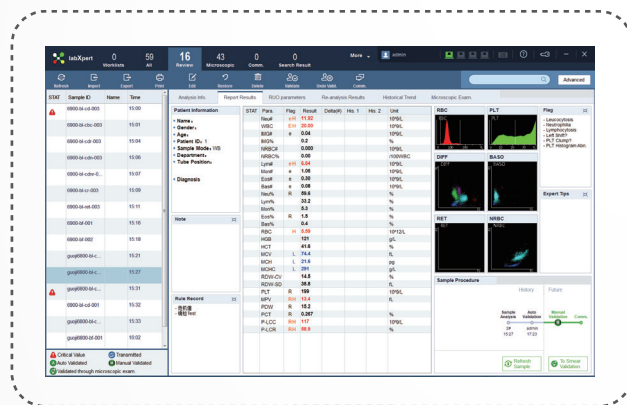


Inner L-shaped layout



The CAL 8000's onboard management software can help users organize their working hours better because it displays:

- The working status of each BC-6800 and SC-120
- The working status of the track
- The reagent monitoring including dead volume, number of tests left, expiration date, etc.



The labXpert software optimizes following functions to simplify your workflow for data analysis:

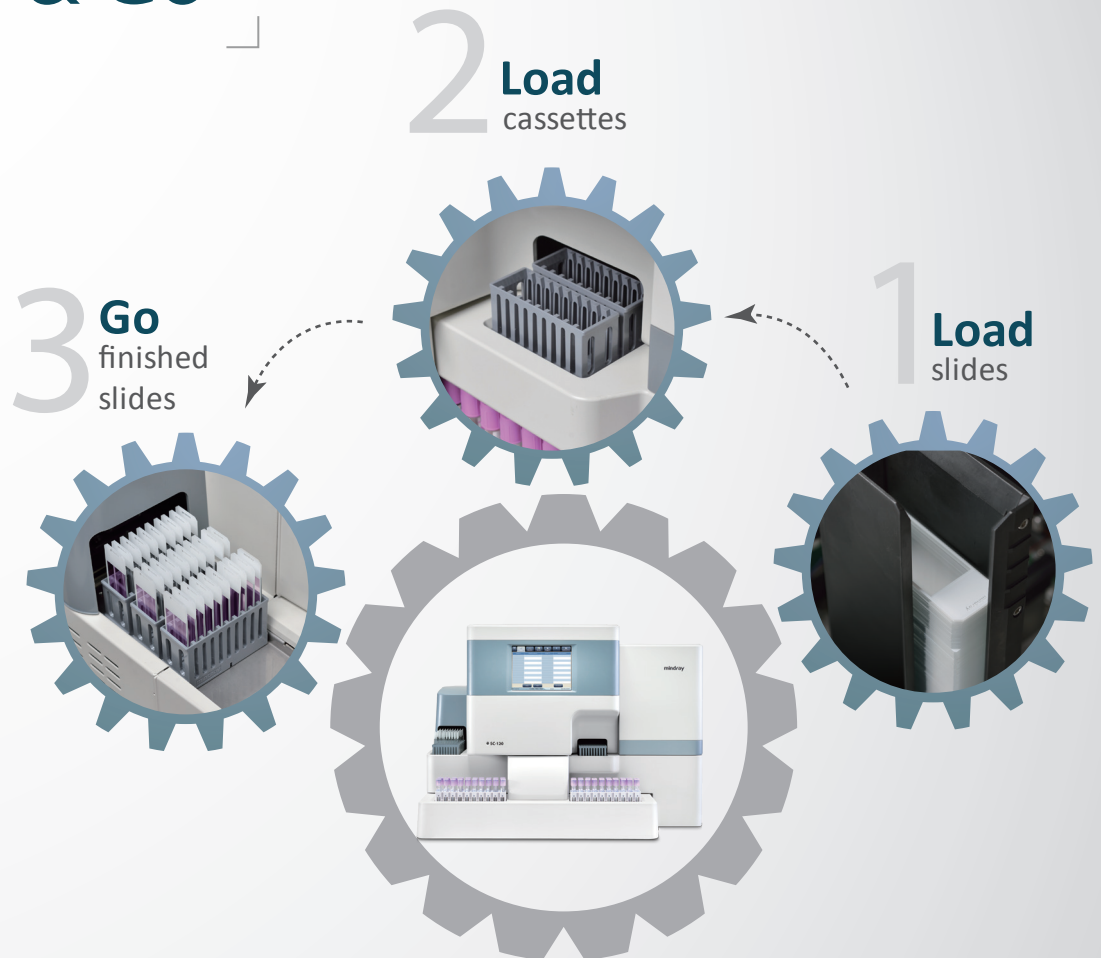
- Improved re-exam criteria function with multi-conditions setup
- Auto-validation for normal samples
- More intuitive interface to review and validate pathological samples

## The data can be viewed via labXpert APP on iPad and iPhone





# 1, 2, 3 Load & Go



Just by following 3 simple steps of "load and go", operators of SC-120 Slide Maker & Stainer are able to obtain finished slides which are ready for microscopic review. Up to 150 blank slides and 10 cassettes holding 10 slides each can be loaded at a time.



The SC-120 can make smears from capillary samples as it requires only 40µL blood.

# CAL 8000

## New Generation Cellular Analysis Line



### CAL 8000 110

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
2690	1470	1030	840



### CAL 8000 200

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
2480	1470	1030	750



### CAL 8000 300

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
3370	1470	1030	1040



### CAL 8000 400

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
4260	1470	1030	1330



### CAL 8000 210

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
3580	1470	1030	1130



### CAL 8000 310

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
4470	1470	1030	1420



### CAL 8000 410

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
5360	1470	1030	1710



### CAL 8000 420

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
6460	1470	1030	2090

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