maccura

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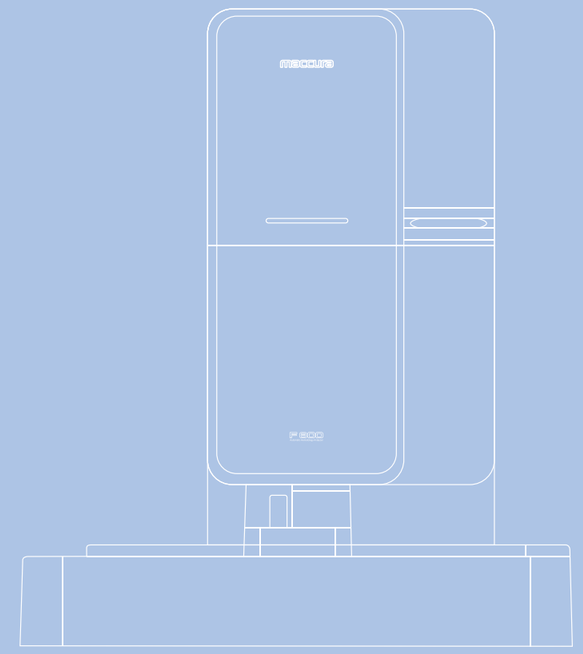
AUTOMATIC HEMATOLOGY ANALYZER



NOTICE: This brochure is for reference purpose only and subject to change without notice.

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WEBSITE WECHAT

INSTRUMENT INTRODUCTION

Detection Technology	Fluorescence Staining & Flow Cytometry
Detection mode	CBC CBC+DIFF
Sample mode	Whole Blood Mode, Low Value Leukocyte Mode, Predilution Mode, and Sample Research Mode
Sample volume	Whole blood mode: 88ul Predilution mode: 70ul
Throughput	CBC+DIFF: 100T/H；
Reporting parameters (29 in total) (CBC+DIFF)	Leukocyte: WBC、NEUT(#,%)、LYMPH(#,%)、MONO(#,%)、EO(#,%)、BASO(#,%)、IG(#,%)； Erythrocyte: RBC、HGB、HCT、MCV、MCH、MCHC、RDW-SD、RDW-CV、NRBC(#,%)； Platelets: PLT、PDW、MPV、P-LCR、P-LCC、PCT；
Linear range	WBC: 0~500x10^9/L RBC: 0 – 8.60 × 10^{12}/L HGB: 0 – 260g/L PLT: 0~5000x10^9/L

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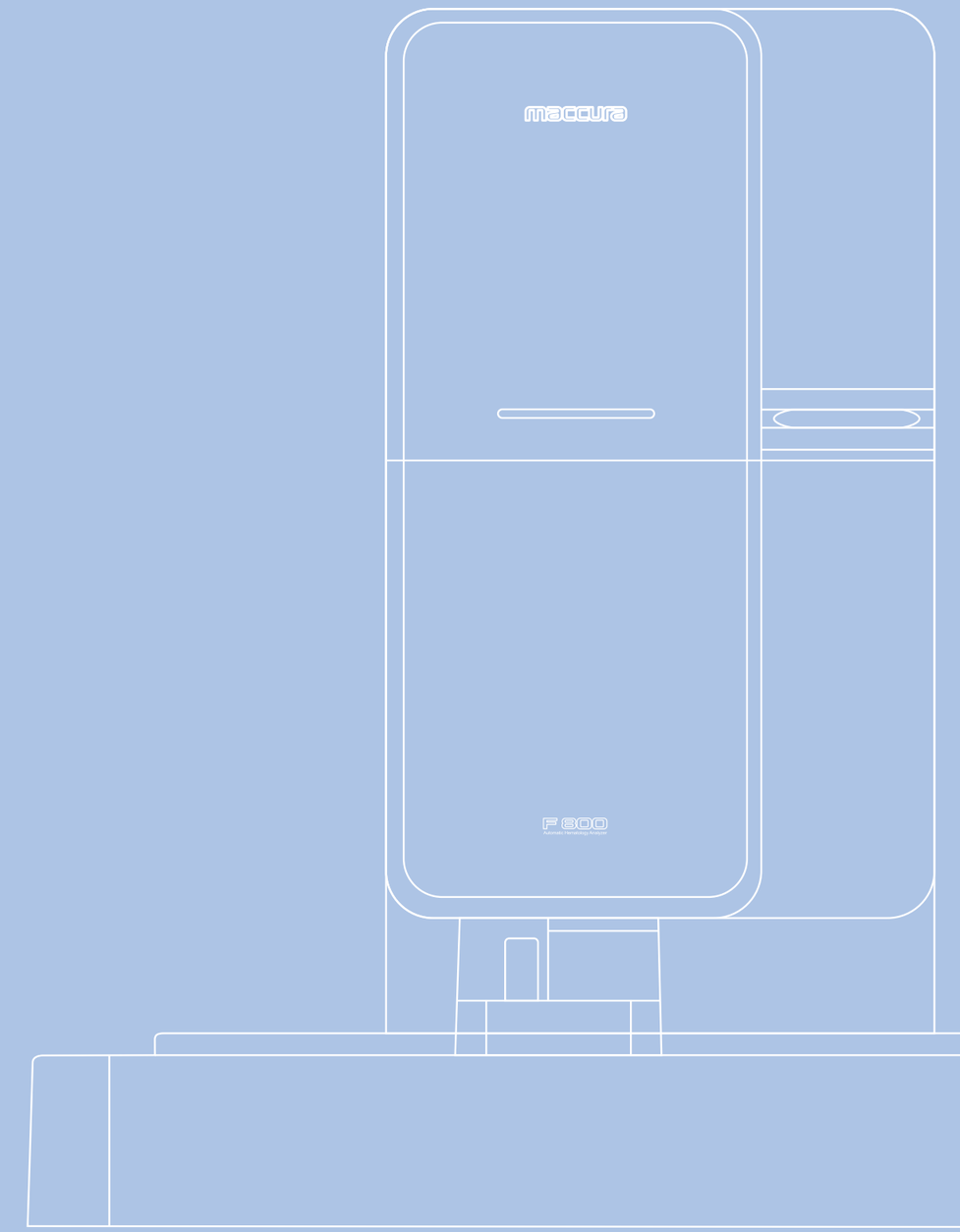

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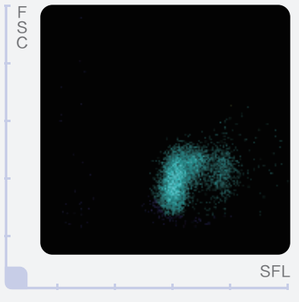
FCW

FCW channel: Quantitative detection and report for WBC, NRBC, and BASO.

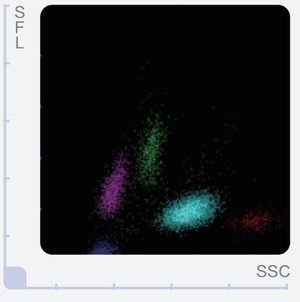
FCD

FCD channel: Quantitative detection and report for DIFF and IG.

FCW Scatter Plot



FCD Scatter Plot



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Low-value Leukocyte Mode

Improve the accuracy of counting and classification when the concentration of leukocyte is low.

Standardized Nuclear Red Blood Cell Detection

Complete detection in one time without additional channels and reagents.

Provide quantitative reporting parameters, including (NRBC#, NRBC%)

Automatic correction of NRBC result, avoiding the interference from leukocyte.