



Swing TwinSampler Automatic Pipettor for ID-Cards and Microplates

BIO-RAD



Swing TwinSampler

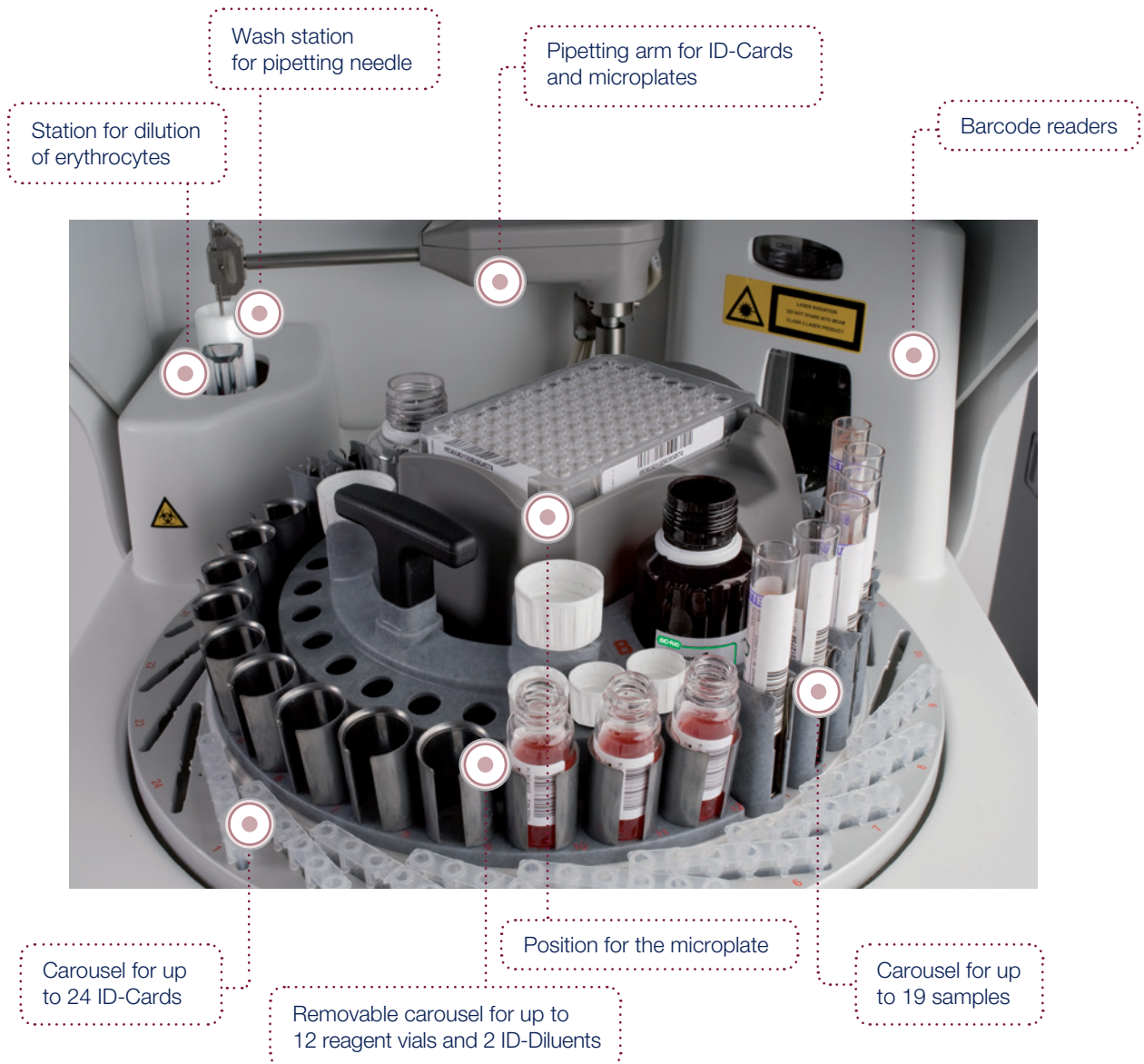
Pipettor for ID-Cards and Microplates

Swing TwinSampler, an automatic pipettor for both ID-Cards and microplates, is the instrument you need for quick and secure automated pipetting.

Through its standardized pipetting and control over all loaded items, Swing highly increases the security in your laboratory.

The possibility to connect it to all Bio-Rad ID- and MP-Readers enables you to customize the system according to your specific needs.

In combination with a full automate, Swing can also serve as a back-up instrument.



Wash station
for pipetting needle

Pipetting arm for ID-Cards
and microplates

Station for dilution
of erythrocytes

Barcode readers

Carousel for up
to 24 ID-Cards

Position for the microplate

Removable carousel for up to
12 reagent vials and 2 ID-Diluents

Carousel for up
to 19 samples

Supreme Security

The identification of installed reagent vials and other resources allows full traceability, including patient identification and test protocols performed, and prevents errors such as the use of incorrect or expired ID-Cards, microplates or reagent vials.



Included module:
IH-Com

Standardized Pipetting

Following the given test protocols precisely, Swing standardizes the cell suspensions and the pipetting volumes.

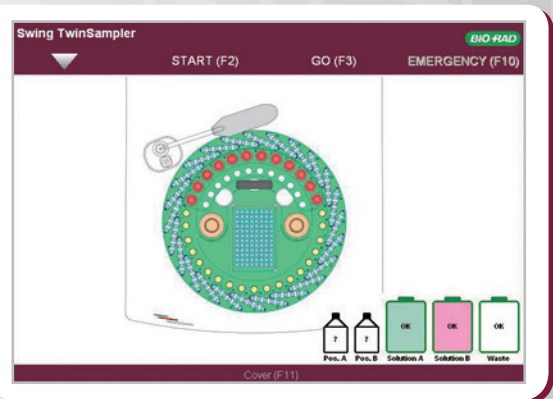


Pipetting of ID-Cards

Compact and Quick

Swing requires little bench space, but it unites all the features of larger automates, such as liquid level detection. It is able to perform all routine and most specialized tests for ID-Cards and microplates.

Its compact design makes Swing a fast and efficient pipettor.



Main screen

User-Friendly Operation

The intuitive software of Swing guides you through the different steps and provides all relevant information.

Swing is fast and easy to use.

Customize or Extend

Swing is compatible with all Bio-Rad ID- and MP-Readers and can also be used in a stand-alone configuration. This enables you to customize your laboratory according to your current and future requirements.



Removable carousel

Specifications

Electrical Data

Voltage	100-230 VAC
Power fluctuation	± 10%
Transient overvoltage	category II
Frequency	50/60 Hz
Power consumption	max. 110 VA

Environmental Conditions

Operating temperature	15°C to 35°C (59°F to 95°F)
Operating humidity	max. 80% rh
Altitude maximum	2,000 m

Dimensions

Width	470 mm
Height	723 mm
Depth	651 mm
Weight	42 kg

Capacity

Samples	19
ID-Cards	24
Microplate	1
Reagent vials	12
ID-Diluents	2

Emissions

Heat emission	50 W
Noise level	max. 45 dB(A)
Pollution level	2

Performance*

A, B, AB, D, CDE, ctt 47 samples/h

A, B, DVI-, ctt/A, B + Ab screening I, II, III 30 samples/h

* Performance data may vary depending from the loading sequences and requested sample profiles.

Main Features

- Pipetting of ID-Cards and microplates
- Positive identification
- Compact
- Liquid level detection
- No consumables needed
- Only one connection to the LIS through IH-Com
- Complete traceability of tests, results and operator
- CE compliant according to IVD Directive 98/79/EC

Ordering Information

Catalog #	Description
009899	Swing TwinSampler II The kit includes: Swing TwinSampler, IHD PC with flatscreen, IH-Com Kit Fullversion, Magnet Dispenser (100 pcs), Wash Solution A (10 l), Wash Solution B (10 l), Waste Container (10 l), Key for 10 l plastic can

Visit www.bio-rad.com/immunohematology for more information.



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