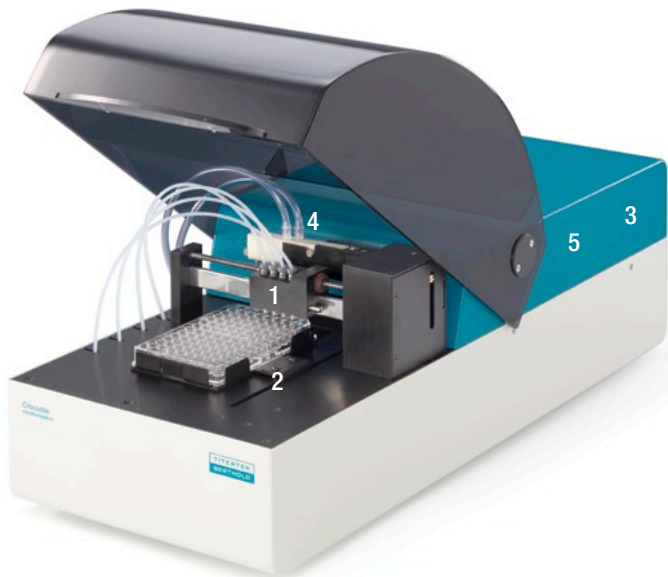


# Crocodile miniWorkstation

Your personal ELISA automation



# Crocodile is a compact, fully automated, high performance ELISA workstation for low to medium throughput



Under normal circumstances, running your ELISA assays required an hour and more of your attention, making it difficult to plan other important activities while your assay was in process.

Crocodile provides the same functionality as *five individual instruments* in a footprint similar to a standard stand-alone-reader. The use of Crocodile will reduce assay times by eliminating the need to move plates between dispenser, washer, incubator, shaker and reader. This allows you to perform other important activities and be even more productive.

- 1 Dispenser
- 2 Shaker
- 3 Incubator
- 4 Washer
- 5 Reader

## A compact workstation that fits anywhere

Crocodile is only 26.5 cm wide. With all reagent bottles placed to the left of the instrument, it requires no more than 40 cm of bench space – the width of a typical ELISA reader.

## Walk away automation

The workstation is designed for truly unattended operation. Simply insert the sample microplate which includes standards and samples, choose the assay protocol and leave the work to Crocodile.

## Easy hardware setup

All functional modules are housed in one compact box. Simply connect the unit with the power outlet and a notebook or desktop computer and you are all set up for analysis. The tubing for wash and waste liquids is preinstalled, ready to be introduced into the wash and waste bottles.

## Fast start

In everyday use, preparing to use Crocodile won't give you any headaches. Wash, waste, and reagent bottles are readily accessible, right next to the instrument. The instrument is ready for startup within minutes.

## Easy maintenance and reliable service

Flushing of the system and routine replacement of the tubing is made easy by the intuitive design of Crocodile. Trained technical staff is available to help if needed, and after-warranty service agreements are available in most geographical locations – to ensure trouble-free operation over the lifetime of the instrument.

## An open system

Crocodile will adapt to any ELISA format, including sandwich, competitive, or other. Reagent bottles of any shape and size are accommodated by the carefully designed and tested bottle holders.

## Validation made easy

The validation performance of Crocodile is supported by our 3Q Package: Installation Qualification, Operation Qualification and Performance Qualification steps are performed according to detailed instructions provided. The results are documented in checklists according to the specific features of the instrument.

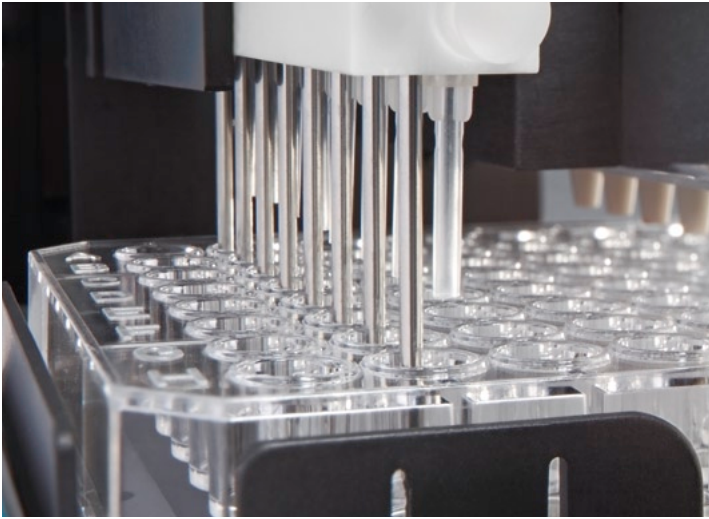
## Regulatory compliance

Crocodile has been developed according to the most stringent regulations in the industry: DIN ISO 13485. Every step was accompanied by a thorough risk-analysis. Selection of raw materials and the assembly process are performed under strict observation of released procedures and processes. After final assembly, every individual unit has undergone several days of extensive testing and will be accompanied by a certificate of analysis stating compliance with specifications.

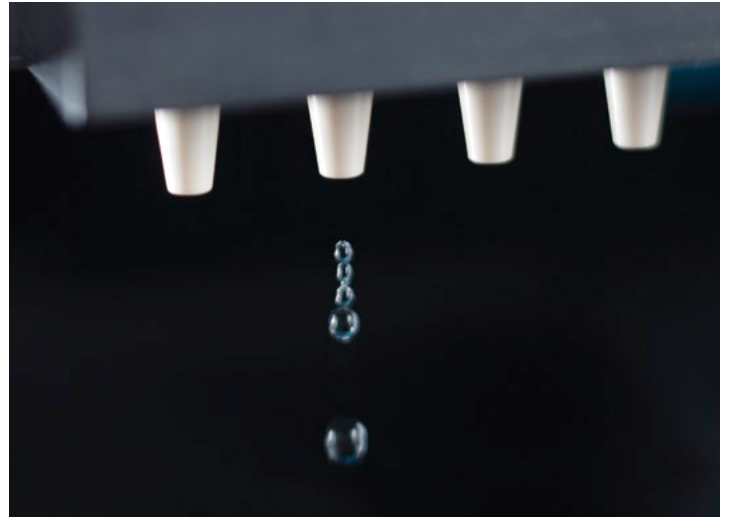
## PC-Software

The user friendly software easily adapts to any ELISA protocol. The five different functions can be aligned in any sequence, one or several times each (for example one to four dispensing steps or multiple washing steps). Setting of each step is flexible and intuitive. Once you have chosen an assay protocol, the screen will show a graphic of the entire assay schedule, as it will be performed by Crocodile.

## Thoughtfully designed - manufactured with care



The 8-well parallel washer provides consistent washing performance



4 high-precision reagent dispensers



The assay reagents are kept firmly in place by the flexible bottle holders. Buffer and waste bottles consume little bench space

# Crocodile Technical Data

## General Specifications

<b>Sample format</b>	1 x 96 well microplate (SBS standard)
<b>Dimensions (H x W x D)</b>	25.8 x 26.3 x 62.6 / 10.2 x 10.4 x 24.6 inch
<b>Weight</b>	14.8 kg; 32.6 lbs
<b>Interface</b>	USB interface
<b>Power Requirements</b>	Desktop power supply and power cord. 100–240 V AC; 24 V DC/3.3 A
<b>Operating Temperature</b>	10–35° C; 50–95° F
<b>Humidity</b>	Up to 75 % (non condensing)

## Incubator

<b>Temperature Range</b>	From ambient + 4° C to 55° C
<b>Temperature Stability</b>	± 1° C across plate at 37° C
<b>Incubation Time</b>	Programmable
<b>Temperature Monitoring</b>	Yes

## Reader

<b>Dynamic Range</b>	0–3.0 OD at 450 nm
<b>Spectral Range</b>	400–690 nm (pre-installed filters: 405, 450, 492, 620 nm)
<b>Filter Slots</b>	8
<b>Reading Channels</b>	8 independent photometric channels plus reference channel, mono and bichromatic reading
<b>Precision</b>	< 1.5 % CV (0.01 to < 0.5 OD) < 1 % CV (0.5 OD to < 2.0 OD) < 1.5 % CV (2.0–3.0 OD)
<b>Accuracy</b>	± 0.01 OD or 2.5 % (whichever is greater)

## Dispenser

<b>Type</b>	4 independent precision pumps
<b>Volume Range</b>	10–2000 µl
<b>Precision</b>	< 2 % CV at 100 µl
<b>Accuracy</b>	< 5 % at 100 µl
<b>Reagent Support</b>	Any bottle or vial type can be attached

## Washer

<b>Manifold Configuration</b>	Autoclavable 8 way manifold with 2 parallel needles
<b>Dispense Volume</b>	50–1000 µl
<b>Wash Modes</b>	Standard, overflow, soak, two-point, sweep
<b>Wash Buffer Capacity</b>	3 x 1 l bottles for different wash solutions
<b>Waste Liquid Container</b>	2 l bottle

## Shaker

<b>Shaking</b>	independent linear motion 5–20 Hz
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## PC Requirements

<b>Required Hardware</b>	Windows® computer with free USB port. Please inquire for supported Windows® versions
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Specifications subject to change without prior written notice.

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