

## QBC Europe Product Description List

Page 2 QBC Star Point Of Care Haematology System



Page 3 QBC Autoread Plus Point Of Care Haematology System



Page 6 QBC ParaLens Advance Fluorescence Microscopy System



Page 10 QBC Malaria Diagnostic Kits



Page 12 QBC F.A.S.T. TB Diagnostic Kits



## QBC Star™ Point Of Care Haematology System

### 429000 QBC STAR Haematology Analyser

The QBC STAR is a dry haematology analyser that delivers a 9-parameter Complete Blood Count with the touch of a button. The STAR's unique microprocessor performs self-calibration, ensuring accuracy. The STAR comes with 2 replacement 3.15 A fuses, 2 rolls of thermal printer paper, screwdriver, forceps, and power cord for 220 V, 60 Hz operation.

### Consumables & Accessories

#### 429625 QBC STAR Tubes (Box of 100)

A box of 100 STAR Tubes. STAR Tubes are the only tubes designed to work with the STAR.

#### 429580 Printer Paper (3/pk)

Three rolls of 2.5 inch thermal paper for use with the STAR's internal printer.

#### 429640 Patient ID Upgrade Kit

The kit contains a Keyboard that can be used to enter Patient and Operator ID numbers into the STAR.

#### 421554 QBC Power Lead (U.K.)

Replacement power lead for STAR analysers in use within the United Kingdom.

#### 421551 QBC power Lead (Europe)

Replacement power lead for STAR analysers in use within Europe.

#### 429627 Carrying Case

This hard plastic case comes with wheels and foam inserts to easily transport and protect the STAR during travel.

## QBC Autoread Plus™ Point Of Care Haematology System

### 428605 QBC Autoread Plus Hematology System

The QBC Autoread Plus is an affordable and durable dry hematology system that can deliver a 9-parameter Complete Blood Count using QBC Europe's line of unique, acridine orange-coated tubes. The Autoread Plus system comes with the Autoread Plus analyser, QBC Capillary Centrifuge, USB cable, pipetter, AccuTube starter kit, software cartridge, workstation, calibration rod, and power packs for all equipment, including U.S. and European line cords for 120/230 V, 50/60 Hz operation.

### Tubes

#### 423406 QBC AccuTubes (Box of 100)

AccuTubes can be used for capillary samples from a finger or heel stick, as well as venous blood samples. They are packaged with a ventilated stopper inserted into the tube, and a soft grip float holder for easy insertion of the plastic float.

#### 424240 QBC Venous Tubes (Box of 100)

These tubes can be used with the pipetter to draw samples from venous tubes. Contains 10 individual trays of 10 tubes with external floats and manual closures.

#### 424237 QBC Venous Tubes (Box of 1000)

#### 424241 QBC Capillary Tubes (Box of 100)

These tubes can be used with blood samples taken from a finger or heel stick. Contains 10 individual trays of 10 tubes with external floats and manual closures.

#### 424238 QBC Capillary Tubes (Box of 1000)

### Consumables and Accessories

#### 424304 Haematology Controls

These control samples are designed to test abnormal blood cell count values, and are a necessity for domestic customers to meet CLIA requirements for the Autoread Plus. The controls are shipped every three weeks, and contain 6 vials each of two different blood samples.

### Replacement Parts

#### 429577 QBC Autoread Plus Analyser with Accessories

Autoread Plus analyser with software cartridge, workstation, AccuTube starter kit, power pack, and U.S. and European line cords for 120/230 V, 50/60 Hz operation.

Note: Does not contain centrifuge.

**429576 QBC Autoread Plus Analyser**

Autoread Plus tube analyser without accessories or centrifuge, for 120/230 V, 50/60 Hz operation.

**425740 QBC Capillary Centrifuge**

This centrifuge can be used to spin all QBC tubes (except for the STAR Tube) for testing in the Autoread Plus analyser. The centrifuge has 20 tube slots, and rotates at 12,000 RPM. Comes with power pack and U.S. and European line cords for 120/230 V, 50/60 Hz operation.

**421550 USB Cable**

This 6-foot long cable is required to connect the Autoread analyser to an external USB-compatible printer.

**424613 Calibration Check Rod**

This specially coded metal carrier rod is used to calibrate the Autoread Plus.

**424226 Work Station**

Sturdy plastic workstation that can be used to hold 100 tubes of varying sizes, including QBC tubes.

**424225 QBC Pipetter**

This pipetter is used with the AccuTube or QBC Venous Tube to draw the correct amount of blood into the tube for testing. Includes AccuTube Pipetter Spacer.

**421705 Pipetter Barrel**

Replacement barrel (the portion of the pipetter into which tubes are inserted) for the pipetter.

**421706 QBC AccuTube Pipetter Spacer**

This spacer is attached to the pipetter to draw the correct amount of blood into the AccuTube during venous tests.

**424593 QBC Autoread Plus Operator's Manual**

A replacement copy of the Autoread Plus manual.

**429407 QBC Autoread Plus Analyser Software Cartridge**

This replacement cartridge serves as the central processing unit for the Autoread Plus analyser. It can be plugged into an Autoread Plus analyser with a broken or defective software cartridge.

**424590 QBC Autoread Plus Analyser Power Pack**

Replacement power pack for the Autoread Plus tube analyser, which can be used with any QBC power cable for 120/230 V, 50/60 Hz operation.

**421763 QBC Capillary Centrifuge Power Pack**

Replacement power pack for the Capillary Centrifuge, to be used with any QBC power cable for 120/230 V, 50/60 Hz operation.

**421554 QBC Power Cable (U.K.)**

Replacement power cable for the Autoread Plus tube analyser or Capillary Centrifuge for use in the United Kingdom (UK).

**421551 QBC Power Cable (Europe)**

**421291 QBC Capillary Centrifuge Cover Assembly**

Replacement cover for the inside of the Capillary Centrifuge. Contains both the metal disc cover and the rotor cover access knob.

**421317 QBC Capillary Centrifuge Rotor Cover Access Knob**

Replacement rotor cover access knob for the inside of the Capillary Centrifuge. Contains only the rotor cover access knob.



## QBC ParaLens Advance™ Fluorescence Microscopy System

### Complete Systems

The QBC ParaLens Advance™ is a microscope attachment that utilises a durable, long-lasting LED light source to provide fluorescence capabilities to any light microscope. The ParaLens Advance light source can be powered by a AC to DC power pack, a solar powered battery pack, a USB port, or other convenient power sources.

#### 424330 QBC ParaLens Advance with 20x and 40x Objectives

The ParaLens Advance with 20x and 40x objectives is designed to meet World Health Organisation specifications for AFB detection. Includes main body assembly with 20x objective, main body assembly with 40x objective, blue LED light source, detachable filter set arm for use with blue LED light source, power pack with international plug adapters, flat blade screwdriver, and ParaLens Advance preventative maintenance kit, packaged in a hard shell carrying case.

#### 424331 QBC ParaLens Advance with 60x Objective

The ParaLens Advance with 60x objective is designed for malaria detection using the QBC Malaria Diagnostic Kit. Includes main body assembly with 60x objective, blue LED light source, detachable filter set arm for use with blue LED light source, power pack with international plug adapters, one 30 mL bottle of immersion oil, ParaViewer™, flat blade screwdriver, and ParaLens Advance preventative maintenance kit, packaged in a hard shell carrying case.

#### 424332 QBC ParaLens Advance with 100x Objective

Includes main body assembly with 100x objective, blue LED light source, detachable filter set arm for use with blue LED light source, power pack with international plug adapters, one 30 mL bottle of immersion oil, flat blade screwdriver, and ParaLens Advance preventative maintenance kit, packaged in a hard shell carrying case.

#### 424333 QBC ParaLens Advance Complete Fluorescence System with Portability Pack

Includes 4 main body assemblies with 20x, 40x, 60x and 100x objectives, blue LED light source, detachable filter set arm for use with blue LED light source, power pack with international plug adapters, one 30 mL bottle of immersion oil, ParaViewer™, flat blade screwdriver, ParaLens Advance preventative maintenance kit, solar cell battery pack, solar cell wall plug, USB to 3.5 mm cable, 3.5 mm to light source cable, 12 V battery clip to lighter adapter and lighter adapter to light source cable, packaged in a hard shell carrying case.

### Upgrades and Replacement Parts

#### 424296 QBC ParaLens Advance Main Body

ParaLens Advance main body without objective or filter set arm. Includes RMS threaded connector and locking ring.

**424298 QBC ParaLens Advance 20x (Dry) Objective**

20x (Dry) objective for use with the ParaLens Advance.

**424285 QBC ParaLens Advance 40x (Dry) Objective**

**424274 QBC ParaLens Advance 60x (Oil) Objective**

**424286 QBC ParaLens Advance 100x (Oil) Objective**

**424297 QBC ParaLens Advance Filter Set Arm (Blue)**

Includes all filters required for the ParaLens Advance to provide blue (~385-480 nm) fluorescence light. Patent-pending design allows for easy inter-changeability when switching between objectives.

**427751 QBC ParaLens Advance LED Light Source (Blue)**

LED light source attachment for use with the ParaLens Advance. Produces blue light (~410-511 nm) for use with blue filter set arm. Features durable construction for safe portability and long lamp life of approximately 20,000 hours. Note: Does not include ParaLens Advance Power Pack (p/n 427711).

**427711 QBC ParaLens Advance Power Pack**

AC to DC power pack operates at 100-240 VAC/47-63 Hz and includes complete set of international plug adapters.

**427730 QBC ParaLens Advance Case**

A replacement case for any single or double-objective ParaLens Advance kit configuration (424330, 424331 or 424332).

**427731 QBC ParaLens Advance Complete Fluorescence System Case**

A larger replacement case for the Complete Fluorescence System (p/n 424333) or for use with Portability Pack components.

**Accessories and Consumables**

**424288 RMS to M27 Ring Adapter**

An adapter that allows the ParaLens Advance to attach to microscopes with M27 objective thread size, including Zeiss microscopes. Please consult your microscope's specification guide.

**427729 RMS to M25 Ring Adapter**

An adapter that allows the ParaLens Advance to attach to microscopes with M25 objective thread size, including Leica microscopes. Please consult your microscope's specification guide.

**424289 RMS to M25 + 15mm Ring Adapter**

An adapter that allows the ParaLens Advance to attach to microscopes with M25 + 15mm objective thread size, including Nikon microscopes. Please consult your microscope's specification guide.

**424295 RMS to M32 Adapter**

An adapter that allows the ParaLens Advance to attach to microscopes with M32 objective thread size, including Motic microscopes. Please consult your microscope's specification guide.

**424341 QBC ParaLens Advance Preventative Maintenance Kit**

Cleaning kit for use with the ParaLens Advance. Contains 5 cleaning swabs, lens cleaner bulb, microfiber cloth and 50 sheets of lens paper.

**427708 Immersion Oil (Type B)**

This 30 mL bottle of immersion oil is needed for using the ParaLens Advance with 60x and 100x lenses.

**427752 Immersion Oil (Type B) (Pack of 4)**

**424278 QBC ParaViewer (Clear)**

The ParaViewer is a clear plastic capillary tube holder, used to review the QBC Malaria Test on a microscope stage.

**427426 QBC Mobile Power Station**

The QBC Mobile Power station is a power option that can be used to power the ParaLens Advance, or other QBC Europe products, in remote settings. It uses a sealed, 22 Amp Hour rechargeable battery to provide features such as two 12 volt DC power outlets, two AC power outlets, a 150 PSI air compressor, an air inflator/deflator, a flood light, battery clamps, and an external charger for 110/220 V, 50/60 Hz operation.

**424340 QBC ParaLens Advance Portability Pack**

This pack of accessories is designed to power the ParaLens Advance Microscope Attachment LED light source in remote locations. Includes solar cell battery pack, solar cell wall charger (for use with 100-240 V operation), USB to 3.5 mm cable, 3.5 mm to light source cable, 12 V battery clip to lighter adapter, lighter adapter to light source cable, and complete fluorescence system case (p/n 427731).

**427728 Solar Cell Battery Pack**

Replacement Solar Cell battery pack for use with the ParaLens Advance LED light source.

**427726 Solar Cell Wall Charger**

Replacement wall charger for Solar Cell battery pack for use with 100-240 V operation.



**427724 USB to 3.5 mm Cable**

Can be used with 3.5 mm to Light Source Cable (p/n 427725) to power the ParaLens Advance light source with a computer's USB drive.

**427725 3.5 mm to Light Source Cable**

Can be used with the USB to 3.5 mm to Cable (p/n 427724) to power the ParaLens Advance light source using a computer's USB drive.

**427721 12 V Battery Clip to Lighter Adapter**

Can be used to power the ParaLens Advance light source using a 12-volt battery. Includes positive and negative terminal clips, and a 12-volt lighter socket that can be used with the Lighter Adapter to Light Source Cable (p/n 427727).

**427727 Lighter Adapter to Light Source Cable**

Can power the ParaLens Advance light source using the 12-volt cigarette lighter of an automobile, or the 12 V Battery Clip to Lighter Adapter (p/n 427721).

**424226 QBC Workstation**

Sturdy plastic workstation that can be used to hold 100 tubes of varying sizes, including QBC Malaria Tubes.

## QBC Malaria™ Diagnostic Kits

### Complete Fluorescence Systems

#### 424350 QBC Malaria Test System with ParaLens Advance, Microscope, and Centrifuge

The QBC Malaria Test System with ParaLens Advance, Microscope, and Centrifuge is a complete transmission light microscope and epi-fluorescence microscopy system for malaria parasite staining and review. Includes research grade microscope with 4x, 10x, 40x and 100x objectives, ParaLens Advance microscope attachment with 60x objective, QBC Capillary Centrifuge (120/230 V, 50/60 Hz operation), and the QBC Malaria Test (Box of 2000).

#### 424450 QBC Malaria Test System with ParaLens Advance and Centrifuge

The QBC Malaria Test System with ParaLens Advance and Centrifuge is an epi-fluorescence microscopy system for malaria parasite staining and review. Includes ParaLens Advance microscope attachment with 60x objective, QBC Capillary Centrifuge (120/230 V, 50/60 Hz operation), and the QBC Malaria Test (Box of 2000).

### Test Kits

#### 253037 QBC Malaria Test (Box of 100)

The QBC Malaria test is a capillary tube coated with anticoagulants and acridine orange used to stain malaria parasites for detection using fluorescence microscopy. Includes 10 individual trays of 10 tests, with precision plastic floats and closures.

#### 253005 QBC Malaria Test (Box of 2000)

Includes 8 individual boxes of 250 tests, with precision plastic floats and closures.

### Accessories and Consumables

#### 424278 ParaViewer

The ParaViewer is a plastic capillary tube holder, used to review the QBC Malaria Test on a microscope stage.

#### 424226 QBC Workstation

Sturdy plastic workstation that can be used to hold 100 tubes of varying sizes, including QBC Malaria Tubes.

#### 427708 Immersion Oil (Type B)

This 30 mL bottle of immersion oil is needed to view the QBC Malaria Test under 60x magnification.

#### 427752 Immersion Oil (Type B) (Pack of 4)

**420000 1.8 mm Blade Lancets (Box of 100)**

These spring loaded lancets are ideal for drawing capillary blood for use with QBC Tubes. The 1.8 mm version is designed for pediatric use.

**420001 2.3 mm Blade Lancets (Box of 100)**

Same as p/n 420000 except for use on adult patients.

**Related Equipment**

For a complete listing of related accessories for the ParaLens Advance or the QBC Capillary Centrifuge, please refer to their respective Product Description Lists.

## QBC F.A.S.T. TB™ Diagnostic Kits

### Complete Fluorescence Systems

#### **427400 QBC F.A.S.T. AFB Detection System with ParaLens Advance, Microscope, and Centrifuge (115 V, 60 Hz)**

The F.A.S.T. AFB Detection System with ParaLens Advance, Microscope, and Centrifuge is a complete transmission light microscope and epi-fluorescence microscopy system for AFB staining and review. Includes research grade microscope with 4x, 10x, 40x, and 100x objectives, ParaLens Advance microscope attachment with 20x and 40x objectives, QBC Horizon 755VES Centrifuge (115 V, 60 Hz), and QBC F.A.S.T. AFB Smear Kit with Digestion Solution.

#### **427414 QBC F.A.S.T. AFB Detection System with ParaLens Advance, Microscope, and Centrifuge (230 V, 50 Hz)**

The same as above, with a QBC Horizon 755VES Centrifuge (230 V, 50 Hz).

#### **427420 QBC F.A.S.T. AFB Detection System with ParaLens Advance and Centrifuge (115 V, 60 Hz)**

The F.A.S.T. AFB Detection System with ParaLens Advance and Centrifuge is an epi-fluorescence microscopy system for AFB smear staining and review that can be used with standard light microscopes. Includes ParaLens Advance microscope attachment with 20x and 40x objectives, QBC Horizon 755VES Centrifuge (115 V, 60 Hz), and F.A.S.T. AFB Smear Kit with Digestion Solution.

#### **427421 QBC F.A.S.T. AFB Detection System with ParaLens Advance and Centrifuge (230 V, 50 Hz)**

The same as above, with a QBC Horizon 755VES Centrifuge (230 V, 50 Hz).

### Prepackaged AFB Kits

#### **427409 QBC F.A.S.T. AFB Smear Kit**

The F.A.S.T. AFB Smear Kit is a complete AFB staining system that can process smears for review in just 3 minutes. Includes supplies for 400 tests: F.A.S.T. Auramine O Stain Kit (120 mL), 5 Quality Control Slides, 432 F.A.S.T. SureFocus Microscope Slides, 400 F.A.S.T. Sputum Cups, and 400 F.A.S.T. Applicator Sticks.

#### **427408 QBC F.A.S.T. AFB Smear Kit with Digestion Solution**

The F.A.S.T. AFB Smear Kit with Digestion Solution is a complete AFB staining system for use where culture or PCR will be performed. Includes supplies for 400 tests: F.A.S.T. Auramine O Stain Kit (120 mL), 5 Quality Control Slides, 432 F.A.S.T. SureFocus Microscope Slides, and 27 bottles of F.A.S.T. Sputum Digestion Solution.

**427410 QBC F.A.S.T. AFB E-Z Smear Kit**

The F.A.S.T. AFB E-Z Smear Kit contains stain kits designed for portability. Includes 10 packs, each containing supplies for 5 tests: 3 mL F.A.S.T. Auramine O Stain, 3 mL F.A.S.T. decolorizer/quencher, 5 F.A.S.T. SureFocus Microscope Slides, 5 F.A.S.T. Sputum Cups, and 5 F.A.S.T. Applicator Sticks.

**427422 QBC F.A.S.T. AFB Smear Starter Kit**

Includes supplies for 3 tests: 5 mL F.A.S.T. Auramine O Stain, 5 mL F.A.S.T. decolorizer/quencher, 3 F.A.S.T. SureFocus Microscope Slides, 3 F.A.S.T. Sputum Cups, 3 F.A.S.T. Applicator Sticks, and 1 F.A.S.T. Quality Control Slide.

**Consumables****427404 QBC F.A.S.T. Auramine O Stain Kit (120 mL)**

The F.A.S.T. Auramine O Stain Kit can stain slides for review in just 3 minutes. Includes stain for approximately 400 tests: 1 - 120 mL bottle of F.A.S.T. Auramine O Stain, and 1 - 120 mL bottle of F.A.S.T. Decoloriser/Quencher.

**427424 QBC F.A.S.T. Auramine O Stain Kit (250 mL)**

Includes stain for approximately 800 tests: 1 - 250 mL bottle of F.A.S.T. Auramine O Stain, and 1 - 250 mL bottle of F.A.S.T. Decoloriser/Quencher.

**427425 QBC F.A.S.T. Auramine O Stain Kit (3.8 L)**

The largest kit currently available. Includes stain for approximately 12,800 tests: 1 - 3.8 L (1 gallon) bottle of F.A.S.T. Auramine O Stain, and 1 - 3.8 L (1 gallon) bottle of F.A.S.T. Decoloriser/Quencher.

**427402 QBC F.A.S.T. Quality Control Slides**

These QC slides contain positive and negative smears on each slide, and can be used to test staining and review methods. Includes 1 box of 5 slides.

**427411 QBC F.A.S.T. SureFocus Microscope Slides**

These slides contain a patent-pending fluorescent marker that can assist users in finding the proper focal plane and maintaining focus throughout review. The marker can also serve as a reference point during slide review, as well as a control for the fluorescent microscope system. Includes 1 box of 432 slides.

**427401 QBC F.A.S.T. Microscope Slides**

These standard glass microscope slides can be used with the F.A.S.T. AFB Kit as a substitute for the F.A.S.T. SureFocus slides. Includes 1 box of 432 slides.

**427415 QBC F.A.S.T. Sputum Cups**

These wide-mouth 120 mL sputum cups are used for collecting sputum samples from patients. Includes 1 bag of 400 sputum cups with lids.



**427416 QBC F.A.S.T. Applicator Sticks**

F.A.S.T. Applicator Sticks are used for transferring sputum smears to the F.A.S.T. SureFocus Slide during the staining process. Includes 400 applicator sticks.

**427403 QBC F.A.S.T. Sputum Digestion Solution**

This NALC solution can be used to process sputum while keeping AFB alive for culturing. Includes 9 - 75 mL bottles and 4 packets of phosphate buffer powder.

**427406 QBC F.A.S.T. Sterile Sputum Prep Tubes**

These 50 mL sputum tubes can be used for collecting and processing sputum samples from patients for PCR or culture. Includes 19 packages of 22 sterile sputum prep tubes with lids.

**427407 QBC F.A.S.T. Sterile Transfer Pipettes**

F.A.S.T. Sterile Transfer Pipettes are used for mixing and transferring sputum smears during the processing of sputum smears for culture or PCR. Includes 1 box of 400 individually wrapped sterile transfer pipettes.

**Related Equipment**

For a complete listing of related accessories for the Paralens Advance, please refer to its Product Description List.