

HORIBA
Medical

Catalogue 2018



Hematology,
Clinical Chemistry & Coagulation
**Reagents, consumables
and customer support**

Hematology, Clinical Chemistry & Coagulation
Reagents, consumables and customer support
Catalogue 2018

Dear Value Customer and Partner,

We would qualify 2017 as a year of HORIBA Medical commitment. As planned, we launched our complete HELO* solution. Composed of several and scalable individual products it can be adapted to any laboratory requirements. This was a tremendous satisfaction since it was for us the first time we were moving into the world of laboratory track systems.

The latest of the Yumizen 500 family the 550 was also launched in order to primarily respond to the increasing need of small walk away system due to the inflating number of tasks done by laboratory technicians. Finally as you can see within the catalogue we are coming up with a full range of Coagulation analyzers and reagents, which complement our global offer around the hematology and Clinical Chemistry.

In addition to offering reliable and cutting edge technologies, our dream has always been to offer adaptable and scalable solutions. Now it becomes a reality!

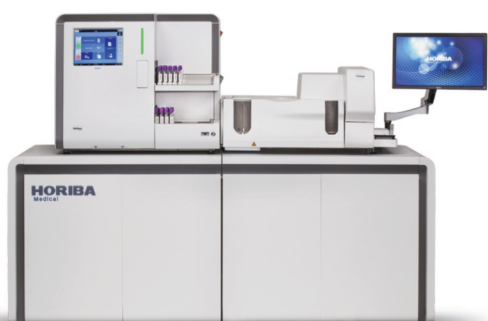
Today, we are proud to share with you our 2018 Catalogue that presents our new products and complete solutions for your diagnosis activities.

The HORIBA Medical Team





HEMATOLOGY



Yumizen H2500 SPS Evolution



Yumizen H500



Pentra DX Nexus SPS Evolution

**HELO**

06

Yumizen H2500 / H1500

08

Yumizen H500 / H550

10

Pentra DX / DF + Nexus

12

ABX **Pentra 120** range

14

Peri-analytical range

16

Pentra XL range

18

ABX **Pentra 60** range

20

ABX **Micros** range

22

CRP range

24

**Pentra XLR****Pentra ES 60**ABX **Micros ES 60****Microsemi CRP**

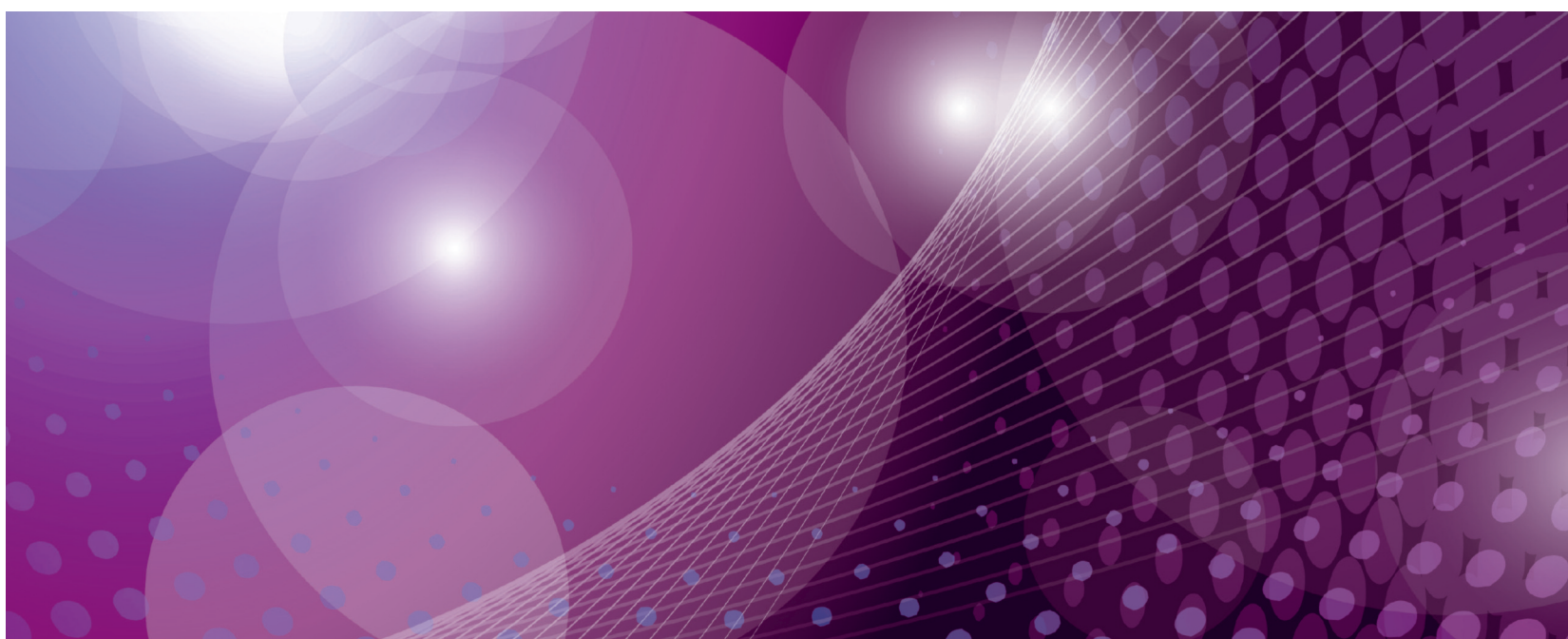


HORIBA
Medical

Giving dimension...
...to your projects!



Flexible, personal and bespoke solutions for
each laboratory.
Now there is no more compromise, just one
solution....yours.



Yumizen
H2500



55 parameters* with new DIFF-NRBC, PTL Ox, Retic and Body Fluid

New 4 sided rotating autoloader

Throughput of 120 tests/hour

One sampling needle

Low sampling volume of 110µL

Tracking configuration with T6000

User friendly software

Integrated Expert validation station with middleware capabilities

*Characteristics of the model
(Yumizen H2500 or Yumizen H1500)

* SPS in option

Yumizen Range

H1500/H2500

New hematology analyzer with validation station and middleware capabilities for large size laboratories

HELO
HORIBA Exclusive Laboratory Organization



**HORIBA Medical Complete diagnostic platform
for the hematology with the HELO tracking solution**



Reference	Designation	System
		Yumizen H2500 / Yumizen H1500

Reagents

0901020	ABX Diluent 20 L	Yumizen H2500 / Yumizen H1500
0901010	ABX Diluent 10 L	Yumizen H2500 / Yumizen H1500
0906012	ABX Lysebio 1 L	Yumizen H2500 / Yumizen H1500
1300027030	Nucediff 1L	Yumizen H2500 / Yumizen H1500
0204050	ABX Basolyse 5 L	Yumizen H2500 / Yumizen H1500
0904011	ABX Fluocyte 0.5 L	Yumizen H2500
0903010	ABX Cleaner 1 L	Yumizen H2500 / Yumizen H1500
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems

Reagents for SPS

A01A00008	May-Grünwald (6 x 0.5 L)	Yumizen SPS
A01A00007	Giemsa (6 x 0.5 L)	Yumizen SPS
A01A00005	Buffer 7.2 (1 x 100 tablets)	Yumizen SPS
A01A00004	Buffer 6,8 (1 x 100 tablets)	Yumizen SPS
1300012393	Denatured Ethanol 70% (5L)	Yumizen SPS
A01A00006	Methanol (4 x 2.5 L)	Yumizen SPS

Blood controls & Calibrator

ABX Difftrol Twin Packs (2 x 3 mL vial)

2062203	ABX Difftrol (2N)	Yumizen H2500 / Yumizen H1500
2062207	ABX Difftrol (2L)	Yumizen H2500 / Yumizen H1500
2062208	ABX Difftrol (2H)	Yumizen H2500 / Yumizen H1500

ABX Minotrol Retic Twin Packs (2 x 3 mL vial)

2072201	ABX Minotrol Retic (2x "2")	Yumizen H2500
2072202	ABX Minotrol Retic ("1&3")	Yumizen H2500
2072011	Minotrol Retic Floppy 4.5+	Yumizen H2500

ABX Minocal (2 mL vial)

2032002	ABX Minocal	Calibration for all HORIBA Medical systems
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N: normal level, H: high level, L: low level

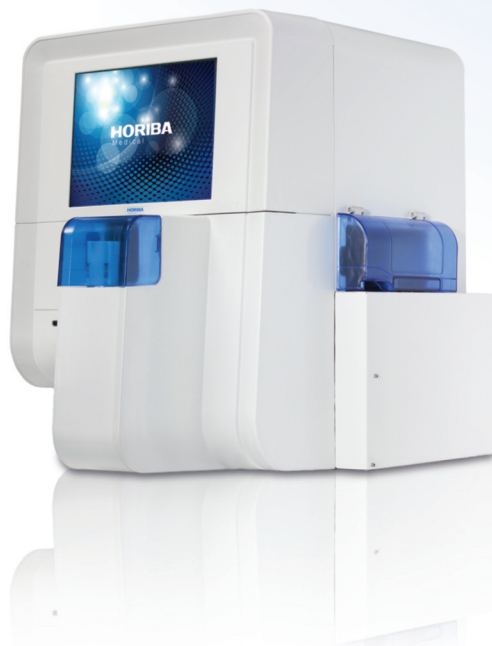
Consumables

1300033628	Yumizen Rack	Yumizen H2500 / Yumizen H1500
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Consumables for SPS

1207621048	Slide for SPS (1 x 50)	Yumizen SPS
XDA945C	Coloration wells (1 x 32)	Yumizen SPS
NAB009B	Smearing Ribbon	Yumizen SPS
NAB008B	Inking Ribbon IR-61 B Citizen	Yumizen SPS
XEC207AS	Kit of Reagent Caps	Yumizen SPS
XEC208AS	Filters (x3) of reagent cap	Yumizen SPS
XEC211AS	Filters (x4) of waste cap	Yumizen SPS
1300028757	Inking Ribbon RC200B	Yumizen SPS

Yumizen
H550



Integrated Auto Sampler
Fully Walk-away
Continuous Loading
STAT Mode

Yumizen Range

H500/H550

Cost Effective Solution
for Small to Mid-Size Laboratories

Yumizen
H500



- Compact System, Easy Handling
- Open Tubes & Closed Tube versions
- Only 3 Reagents for Diff Analysis
- 27 Parameters, 50 tests/hour
- Whole Blood Micro sampling



Reference	Designation	System
		Yumizen H500 / Yumizen H550

Reagents

0901020	ABX Diluent 20 L	Yumizen H500 / Yumizen H550
0901010	ABX Diluent 10 L	Yumizen H500 / Yumizen H550
0903010	ABX Cleaner 1 L	Yumizen H500 / Yumizen H550
1210906022	Whitediff 1L	Yumizen H500 / Yumizen H550
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems

Blood controls & Calibrator

ABX Difftrol Twin Packs (2 x 3 mL vial)

2062203	ABX Difftrol (2N)	Yumizen H500 / Yumizen H550
2062207	ABX Difftrol (2L)	Yumizen H500 / Yumizen H550
2062208	ABX Difftrol (2H)	Yumizen H500 / Yumizen H550

ABX Minocal (2 mL vial)

2032002	ABX Minocal	Calibration for all HORIBA Medical systems
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N: normal level, H: high level, L: low level

Consumables

NAB038A	Maintenance box for WP4015/ WF5110DW	Yumizen H500 / Yumizen H550
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Pentra DX Nexus

120 tests/hour
50 parameters
Expert validation system
(ABX PENTRA ML)

Pentra **DX / DF** Nexus

Hematology analyser



Pentra DF Nexus **SPS** Evolution

- 120 tests/hour
- 32 parameters
- Expert validation system (ABX PENTRA ML)
- Integrated slide-maker* (ABX SPS Evolution)

* Option

Pentra DX Nexus / **Pentra DX** Nexus **SPS** Evolution
Pentra DF Nexus / **Pentra DF** Nexus **SPS** Evolution
ABX Pentra DX 120 / **ABX Pentra DX** 120 **SPS** Evolution
ABX Pentra DF 120 / **ABX Pentra DF** 120 **SPS** Evolution

Reference	Designation	System
		Pentra DX / DF + Nexus

Reagents

0901020	ABX Diluent 20 L	Pentra DX / DF + Nexus
0901010	ABX Diluent 10 L	Pentra DX / DF + Nexus
0906012	ABX Lysebio 1 L	Pentra DX / DF + Nexus
0206013	ABX Leucodiff 1 L	Pentra DX / DF + Nexus
0204050	ABX Basolyse 5 L	Pentra DX / DF + Nexus
0904011	ABX Fluocyte 0.5 L	Pentra DX / DF + Nexus
0903010	ABX Cleaner 1 L	Pentra DX / DF + Nexus
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems

Reagents for ABX SPS Evolution

A01A00008	May-Grünwald (6 x 0.5 L)	SPS Evolution
A01A00007	Giemsa (6 x 0.5 L)	SPS Evolution
A01A00004	Buffer 6,8 (1 x 100 tablets)	SPS Evolution
A01A00005	Buffer 7.2 (1 x 100 tablets)	SPS Evolution
1300012393	Denatured Ethanol 70% (5L)	SPS Evolution
A01A00006	Methanol (4 x 2.5 L)	SPS Evolution

Blood controls & Calibrator

ABX Difftrol Twin Packs (2 x 3 mL vial)		
2062207	ABX Difftrol (2L)	Pentra DX / DF + Nexus
2062203	ABX Difftrol (2N)	Pentra DX / DF + Nexus
2062208	ABX Difftrol (2H)	Pentra DX / DF + Nexus
ABX Minotrol Retic Twin Packs (2 x 3 mL vial)		
2072201	ABX Minotrol Retic (2x "2")	Pentra DX / DF + Nexus
2072202	ABX Minotrol Retic ("1&3")	Pentra DX / DF + Nexus
ABX Erytrol Twin Packs (2 x 3 mL vial)		
2072203	ABX Erytrol (2x "3")	Pentra DX / DF + Nexus
2072204	ABX Erytrol ("1&2")	Pentra DX / DF + Nexus
ABX Minocal (2 mL vial)		
2032002	ABX Minocal	Calibration for all HORIBA Medical systems

N: normal level, H: high level, L: low level

Consumables

A01A00151	12 Caps 4blue/4green/4red	For all HORIBA Medical Systems
NAB038A	Maintenance box for WP4015/ WF5110DW	Pentra DX / DF + Nexus

Consumables for ABX SPS Evolution

1207621048	Slide for SPS (1 x 50)	SPS Evolution
XDA945C	Coloration wells (1 x 32)	SPS Evolution
NAB009B	Smearing Ribbon	SPS Evolution
NAB008B	Inking Ribbon IR-61 B Citizen	SPS Evolution
XEC207AS	Kit of Reagent Caps	SPS Evolution
XEC208AS	Filters (x3) of reagent cap	SPS Evolution
XEC211AS	Filters (x4) of waste cap	SPS Evolution
1300028757	Inking Ribbon RC200B	SPS Evolution

ABX **Pentra 120** Range

Hematology analyser

- 120 tests/hour
- 36 parameters
- Slide-maker* (ABX SPS Evolution)
* Option



ABX Pentra 120 / ABX Pentra 120 Retic

ABX Pentra 120 sps Evolution

Reference	Designation	System
		ABX Pentra 120 ABX Pentra 120 Retic ABX SPS Evolution

Reagents

0901020	ABX Diluent 20 L	Pentra 120 / 120 Retic
0901010	ABX Diluent 10 L	Pentra 120 / 120 Retic
0906012	ABX Lysebio 1 L	Pentra 120 / 120 Retic
0206010	ABX Eosinofix 1 L	Pentra 120 / 120 Retic
0204050	ABX Basolyse 5 L	Pentra 120 / 120 Retic
0904005	ABX Retix 0.5 L	Pentra 120 Retic
0903010	ABX Cleaner 1 L	Pentra 120 / 120 Retic
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems

Reagents for ABX SPS Evolution

A01A00008	May-Grünwald (6 x 0.5 L)	SPS Evolution
A01A00007	Giemsa (6 x 0.5 L)	SPS Evolution
A01A00004	Buffer 6,8 (1 x 100 tablets)	SPS Evolution
A01A00005	Buffer 7.2 (1 x 100 tablets)	SPS Evolution
1300012393	Denatured Ethanol 70% (5L)	SPS Evolution
A01A00006	Methanol (4 x 2.5 L)	SPS Evolution

Blood controls & Calibrator

ABX Difftrol Twin Packs (2 x 3 mL vial)

2062207	ABX Difftrol (2L)	Pentra 120 / 120 Retic
2062203	ABX Difftrol (2N)	Pentra 120 / 120 Retic
2062208	ABX Difftrol (2H)	Pentra 120 / 120 Retic

ABX Minotrol Retic Twin Packs (2 x 3 mL vial)

2072201	ABX Minotrol Retic (2x "2")	Pentra 120 Retic
2072202	ABX Minotrol Retic ("1&3")	Pentra 120 Retic

ABX Minocal (2 mL vial)

2032002	ABX Minocal	Calibration for all HORIBA Medical systems
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N: normal level, H: high level, L: low level

Consumables for ABX SPS Evolution

1207621048	Slide for SPS (1 x 50)	SPS Evolution
XDA945C	Coloration wells (1 x 32)	SPS Evolution
NAB009B	Smearing Ribbon	SPS Evolution
NAB008B	Inking Ribbon IR-61 B Citizen	SPS Evolution
XEC207AS	Kit of Reagent Caps	SPS Evolution
XEC208AS	Filters (x3) of reagent cap	SPS Evolution
XEC211AS	Filters (x4) of waste cap	SPS Evolution
1300028757	Inking Ribbon RC200B	SPS Evolution



Cell Image Analysis for the Hematology Laboratory

- Automatic differential pre-classification
- Accurate performances
- Complete report with cell images and comments
- Connection with ABX Pentra ML

Peri-analytical Range

- Standardization of blood films
- 2 slides at once
- Very compact system
- For stationary or portable use



Blood Smearing System for Hematology

Reference	Designation	System
		EasyCell / Hemaprep

Options EasyCell

1270009031	EasyCell 1 Permanent remote license	EasyCell
1270009032	EasyCell 3 Permanent remote license	EasyCell
1270009033	EasyCell 5 Permanent remote license	EasyCell
1270009034	EasyCell 1 Renewable remote license	EasyCell
1270009035	EasyCell 3 Renewable remote license	EasyCell
1270009036	EasyCell 5 Renewable remote license	EasyCell
1270009041	EasyCell Competency Review	EasyCell
1270009636	EasyCell Carousel 26 mm	EasyCell

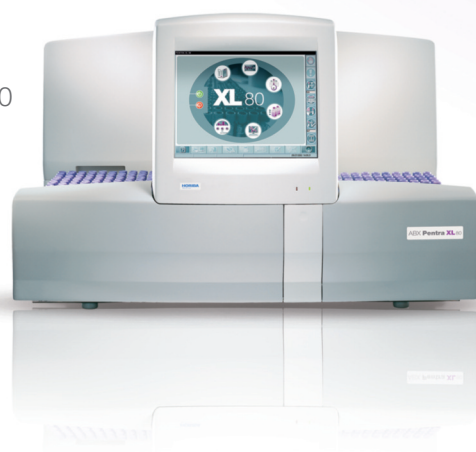
Consumables for EasyCell

1270009630	EasyCell Slide Oiler	EasyCell
1300016931	Immersion oil	EasyCell

Consumables for Hemaprep

1300029910	Spreader blades	Hemaprep
1300029912	Spreader holder repair kit	Hemaprep
1300029913	Slide trays US	Hemaprep
1300029914	Slide trays international	Hemaprep
1207621048	Slide (1x 50)	Hemaprep

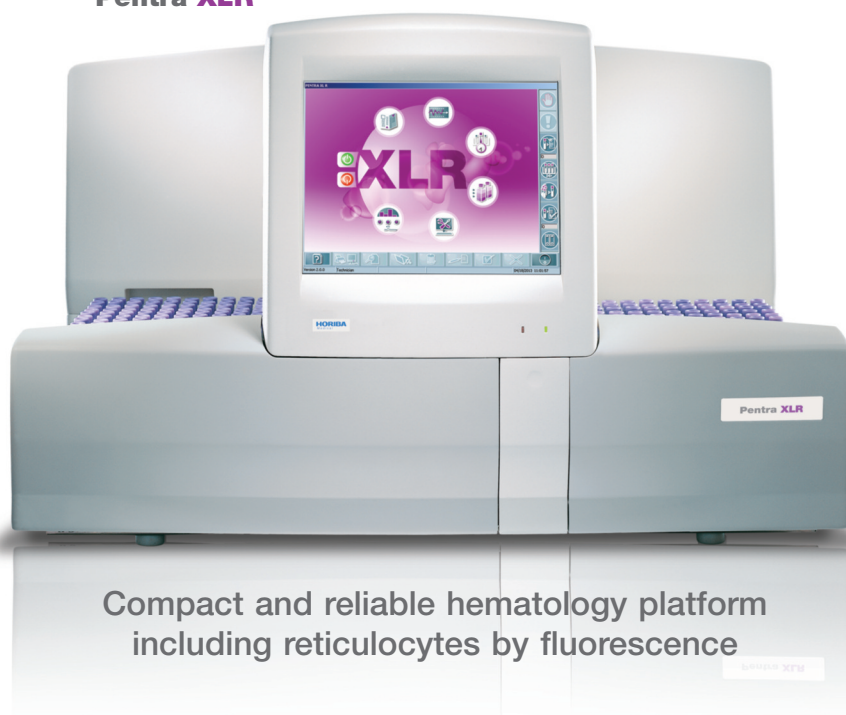
ABX **Pentra XL** 80



Pentra **XL** Range

Hematology analyser

Pentra XLR



Compact and reliable hematology platform
including reticulocytes by fluorescence

- 36 parameters
- Auto Rerun and reflex tests
- Large walk-away capacity
- Approximately 80 tests/ hour
- Customized Dilution Ratio (CDR)
- Integrated workstation and validation station

Pentra XLR

ABX Pentra XL 80 / ABX Pentra 80

Reference	Designation	System
		Pentra XLR ABX Pentra XL80 / ABX Pentra 80

Reagents

0901020	ABX Diluent 20 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0901010	ABX Diluent 10 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0906013	ABX Lysebio 0.4 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0906012	ABX Lysebio 1 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0206010	ABX Eosinofix 1 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0906003	ABX Basolyse II 1 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0903010	ABX Cleaner 1 L	Pentra XL 80 / Pentra 80 / Pentra XLR
0904011	ABX Fluocyte 0.5 L	Pentra XLR
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems

Blood controls & Calibrator

ABX Difftrol Twin Packs (2 x 3 mL vial) - Recommended by HORIBA Medical

2062207	ABX Difftrol (2L)	Pentra XL 80 / Pentra 80 / Pentra XLR
2062203	ABX Difftrol (2N)	Pentra XL 80 / Pentra 80 / Pentra XLR
2062208	ABX Difftrol (2H)	Pentra XL 80 / Pentra 80 / Pentra XLR

ABX Minotrol 16 Twin Packs (2 x 2.5 mL vial)

2042208	ABX Minotrol 16 (2 L)	Pentra XL 80 / Pentra 80 / Pentra XLR
2042202	ABX Minotrol 16 (2 N)	Pentra XL 80 / Pentra 80 / Pentra XLR
2042209	ABX Minotrol 16 (2 H)	Pentra XL 80 / Pentra 80 / Pentra XLR

ABX Minotrol Retic Twin Packs (2 x 3 mL vial)

2072201	ABX Minotrol Retic (2x "2")	Pentra XLR
2072202	ABX Minotrol Retic ("1&3")	Pentra XLR

ABX Minocal (2 mL vial)

2032002	ABX Minocal	Calibration for all HORIBA Medical systems
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N: normal level, H: high level, L: low level

Consumables

NAB038A	Maintenance box for WP4015/ WF5110DW	Pentra XL 80 / Pentra 80 / Pentra XLR
XEA831BS	Kit sarstedt 10 rack and barrel	Pentra XL 80 / Pentra 80 / Pentra XLR

ABX **Pentra 60C+**

60 tests/hour

26 parameters

Workstation capability

Closed tube sampling

ABX **Pentra 60** Range

Hematology analyser

**Pentra ES 60**

- 60 tests/hour
- 26 parameters
- Workstation capability
- Open tube sampling

ABX Pentra 60 C+ / Pentra ES 60

ABX Pentra 60 / Pentra MS 60

Reference	Designation	System
		ABX Pentra 60 C+ / Pentra ES 60 ABX Pentra 60 / Pentra MS 60

Reagents

0901020	ABX Diluent 20 L	Pentra 60 C+ / Pentra 60 / Pentra ES 60 Pentra MS 60
0901010	ABX Diluent 10 L	Pentra 60 C+ / Pentra 60 / Pentra ES 60
0906013	ABX Lysebio 0.4 L	Pentra 60 C+ / Pentra 60 / Pentra ES 60
0206010	ABX Eosinofix 1 L	Pentra 60 C+ / Pentra 60 / Pentra ES 60
0906003	ABX Basolyse II 1 L	Pentra 60 C+ / Pentra 60 / Pentra ES 60
0903010	ABX Cleaner 1 L	Pentra 60 C+ / Pentra 60 / Pentra ES 60
0401005	ABX Minoclair 0.5 L	For all HORIBA Medical Systems

Blood controls & Calibrator

ABX Difftrol Twin Packs (2 x 3 mL vial) - Recommended by HORIBA Medical

2062207	ABX Difftrol	(2L)	Pentra 60 C+ / Pentra 60 / Pentra ES 60
2062203	ABX Difftrol	(2N)	Pentra 60 C+ / Pentra 60 / Pentra ES 60
2062208	ABX Difftrol	(2H)	Pentra 60 C+ / Pentra 60 / Pentra ES 60

ABX Minotrol 16 Twin Packs (2 x 2.5 mL vial)

2042208	ABX Minotrol 16	(2 L)	Pentra 60 C+ / Pentra 60 / Pentra ES 60
2042202	ABX Minotrol 16	(2 N)	Pentra 60 C+ / Pentra 60 / Pentra ES 60
2042209	ABX Minotrol 16	(2 H)	Pentra 60 C+ / Pentra 60 / Pentra ES 60

ABX Minocal (2 mL vial)

2032002	ABX Minocal	Calibration for all HORIBA Medical systems
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N: normal level, H: high level, L: low level

Consumables

NAB038A	Maintenance box for WP4015/ WF5110DW	Pentra 60 C+ / Pentra ES 60 / Pentra MS 60
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ABX **Micros 60**



60 tests/hour
Open or closed tube sampling

ABX **Micros** Range

Hematology analyser

ABX **Micros ES 60**



- CBC + 3 DIFF
- Comprehensive Data Management
- Integrated Color Touch Screen

ABX **Micros ES** 60 / ABX **Micros 60**
 ABX **Micros**
 ABX **Micros ESV** 60 / **ABC Vet** / **Advia 60**

Reference	Designation	System
		ABX Micros ES 60 / ABX Micros 60 ABX Micros ESV 60 / ABC Vet / Advia 60

Reagents

0802020	ABX Minidil LMG 20L	Micros 60 / Micros ES60 / Micros Care ST
0802010	ABX Minidil LMG 10 L	Micros 60 / Micros ES60
0702010	ABX Minilyse LMG 1 L	Micros 60 / Micros ES60
0403010	ABX Miniclean 1 L	Micros 60 / Micros ES60
0602050	ABX Minipack LMG	Micros 60 / Micros ES60 / Micros Care ST
0606051	Minipack AD 60 (x4)	Advia 60
0604052	ABX Vetpack	Micros ESV 60 / ABC Vet
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems
0906019	Minilysebio 1L	Micros 60 / Micros ES60
0906020	Minilysebio 0.4L	Micros 60 / Micros ES60

Blood controls & Calibrator

ABX Minotrol 16 Twin Packs (2 x 2.5 mL vial)

2042208	ABX Minotrol 16 (2 L)	Micros 60 / Micros ES60 / Advia 60 / Micros Care ST
2042202	ABX Minotrol 16 (2 N)	Micros 60 / Micros ES60 / Advia 60 / Micros Care ST
2042209	ABX Minotrol 16 (2 H)	Micros 60 / Micros ES60 / Advia 60 / Micros Care ST
2042024	Minotrol Smartcard	Micros 60 / Advia 60

ABX Minocal (2 mL vial)

2032002	ABX Minocal	Calibration for all HORIBA Medical systems
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N: normal level, H: high level, L: low level

Consumables

1103112	Thermal Paper Roll 57x48x12	e-Sat
1103113	Thermal Paper roll Micros ES60	Micros ES60 / Micros Care ST
2052111	Memory Smartcard	Micros 60
3001001	Capillary Tubes 200 µL EDTA (red) (100 units)	



Microsemi CRP

Emergencies, Physician Offices,
Near Patient Testing
Whole Blood Micro Sampling
CBC + CRP in 4 minutes
19 parameters
Easy to use compact system

CRP Range

Infectious Care Screening



Pentra MS CRP

- Pediatrics, Care Units, Decentralized Testing
- Whole Blood Micro Sampling
- DIFF + CRP in 3 minutes
- 27 parameters
- Comprehensive Data Management

Microsemi CRPABX Micros **CRP** 200 / ABX Micros **CRP** / Pentra **MS** CRP

Reference	Designation	System
		Microsemi CRP / ABX Micros CRP 200 ABX Micros CRP / Pentra MS CRP

Reagents

0206010	ABX Eosinofix 1 L	Pentra MS CRP
0906003	ABX Basolyse II 1 L	Pentra MS CRP
0901010	ABX Diluent 10 L	Micros CRP 200 / Micros CRP / Pentra MS CRP
0901020	ABX Diluent 20 L	Pentra MS CRP
0802010	ABX Minidil LMG 10 L	Micros CRP 200 / Micros CRP / Microsemi CRP
0802020	ABX Minidil LMG 20L	Micros CRP 200 / Micros CRP / Microsemi CRP
0903010	ABX Cleaner 1 L	Micros CRP 200 / Micros CRP / Pentra MS CRP
0906004	ABX Alphalyse 0.4 L	Micros CRP 200 / Micros CRP
0906014	ABX Alphalyse 360	Micros CRP 200 / Micros CRP
0403010	ABX Miniclean 1 L	Micros CRP 200 / Micros CRP / Microsemi CRP
0903011	ABX Cleaner 0,5 L	Micros CRP 200 / Micros CRP
0906013	ABX Lysebio 0.4 L	Microsemi CRP / Pentra MS CRP
0401005	ABX Minoclar 0.5 L	For all HORIBA Medical Systems
0501005	ABX CRP 100	Micros CRP
0906019	Minilysebio 1L	Micros CRP 200 / Micros CRP
0906020	Minilysebio 0.4L	Micros CRP 200 / Micros CRP
0501015	ABX CRP REA	Micros CRP 200 / Pentra MS CRP
3200345511	CRP Unit 50 (2 kits of 50 tests)	Micros emi CRP

Blood controls & Calibrator

ABX Difftrol Twin Pack (2 x 3 mL vial)

2062203	ABX Difftrol	(2N)	Pentra MS CRP
2062207	ABX Difftrol	(2L)	Pentra MS CRP
2062208	ABX Difftrol	(2H)	Pentra MS CRP

ABX Minotrol CRP Twin Packs (2 x 2.5 mL vial)

2042205	ABX Minotrol CRP	(2 x "1")	Micros CRP 200 / Micros CRP / Microsemi CRP Pentra MS CRP
2042206	ABX Minotrol CRP	(2 x "2")	Micros CRP 200 / Micros CRP / Microsemi CRP Pentra MS CRP
2042207	ABX Minotrol CRP	(2 x "3")	Micros CRP 200 / Micros CRP / Microsemi CRP Pentra MS CRP

Calibrator

0501016	ABX CRP STD	Micros CRP / Micros CRP 200 / Microsemi CRP Pentra MS CRP
2032002	ABX Minocal	Calibration for all HORIBA Medical systems

N: normal level, H: high level, L: low level

Consumables

1103100	Thermal Paper Roll (DPU 414)	Micros CRP 200 / Micros CRP
1103112	Thermal Paper Roll 57x48x12	e-Sat
3200044036	Thermal paper (10 rolls)	Microsemi CRP
NAB038A	Maintenance box for WP4015/ WF5110DW	Pentra MS CRP



CLINICAL CHEMISTRY



Pentra C400

**Pentra C400****28****Pentra C200****29**

Enzymes and Substrates

30

Specific Proteins and Auxiliary Reagents

31

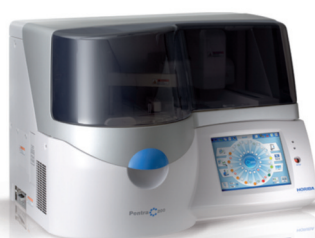
Calibrators and Controls

32

ISE

33

Consumables and Accessories

34**Pentra C200**



Pentra C400

Clinical chemistry analyser



Reagent management



Sample management



Patient management

Up to 420 tests per hour with the ISE module
55 on-board parameters with back-up possibility
Integrated workstation and validation station



Pentra C200

Clinical chemistry analyser



Reagent management



Cuvette management



Intuitive software

- 90 tests/hour in colorimetric
- Up to 360 tests/hour with ISE (120-150 tests/hour in standard configuration)
- Fully automatic and ergonomic

ENZYMES & SUBSTRATES



Reference	ABX Pentra Designation	Formulation	Container Format	Number of tests		Calibrators	Controls
				PC400/P400	PC200*		
Enzymes							
A11A01626	ALP CP	IFCC	Cassette	125	120	1	18, 19
A11A01627	ALT CP	IFCC	Cassette	250	325	1	18, 19
A11A01629	AST CP	IFCC	Cassette	250	325	1	18, 19
A11A01628	Amylase CP	EPS-G7	Cassette	125	120	1	18, 19, 31
A11A01643	CK-MB RTU	NAC Immuno-inhibition	Vial	125	90	N/A	20,34
A11A01632	CK NAC CP	IFCC / DGKC	Cassette	125	120	1	18, 19, 20,34
A11A01630	GGT CP	SZAZ Carboxylated Substrate	Cassette	250	275	1	18, 19
A11A01631	Lipase CP	Colorimetric	Cassette	100	N/A	1	18, 19
A11A01824	LDH CP	DGKC	Cassette	125	120	1	18, 19
A11A01871	LDH IFCC CP	IFCC	Cassette	125	120	1	18, 19

Substrates

A11A01664	Albumin CP	Bromocresol Green	Cassette	327	295	1	18, 19
A11A01639	Bilirubin Total CP	DCA	Cassette	130	135	1	18, 19
A11A01635	Bilirubin Direct CP	DCA	Cassette	100	115	1	18, 19
A11A01954	Calcium AS CP	Arsenazo III	Cassette	285	265	1	18, 19, 31
A11A01634	Cholesterol CP	Chol. esterase / Chol. oxidase	Cassette	344	305	1	18, 19
A11A01636	HDL, Direct CP	Polyanions	Cassette	240	235	2	18, 19
A11A01934	HDL, Direct 100 CP	Polyanions	Cassette	100	100	2	18, 19
A11A01638	LDL, Direct CP	Detergent / Chol Oxidase/ Esterase	Cassette	100	100	3	18, 19
A11A01645	CO2 RTU	UV Enzymatic	Vial	200 (2 x 100)	170 (2 x 85)	4	21
A11A01933	Creatinine 120 CP	Jaffe / Alkaline Picrate	Cassette	120	130	1	18, 19, 31
A11A01907	Enzymatic creatinine CP	Enzymatic method	Cassette	120	120	1	18, 19, 31
A11A01679	Fructosamine	NBT	Vial	600 (6 x 100)	N/A	14	29, 30
A11A01668	Glucose PAP CP	Peroxidase	Cassette	295	265	1	18, 19, 31
A11A01667	Glucose HK CP	Glucose Hexokinase	Cassette	200	190	1	18, 19, 31
A11A01637	Iron CP	Ferene	Cassette	282	350	1	18, 19
A11A01721	Lactic Acid	Lactate oxidase / Peroxidase	Vial	260 (10 x 26)	240 (10 x 24)	1	18, 19
A11A01646	Magnesium RTU	Xylidyl Blue	Vial	200 (2 x 100)	170 (2 x 85)	1	18, 19
A11A01665	Phosphorus CP	Ammonium Molybdate UV	Cassette	100	100	1	18, 19, 31
A11A01669	Total Protein CP	Biuret	Cassette	300	255	1	18, 19
A11A01932	Total Protein 100 CP	Biuret	Cassette	100	105	1	18, 19
A11A01640	Triglycerides CP	PAP	Cassette	295	265	1	18, 19
A11A01670	Uric Acid CP	Uricase / Peroxidase	Cassette	220	270	1	18, 19, 31
A11A01641	Urea CP	GLDH	Cassette	220	270	1	18, 19, 31
A11A01642	Urinary Proteins CP	Pyrogallol red	Cassette	100	110	5	31

* For Pentra C200, depending to the real volume of reagent, the number of tests can vary slightly from the number of tests indicated.

SPECIFIC PROTEINS & AUXILIARY REAGENTS

Reference	ABX Pentra Designation	Formulation	Container Format	Number of tests		Calibrators	Controls	Auxiliary reagents
				PC400/P400	PC200*			

Specific Proteins ●

A11A01687	Apo A1	TIA	Vial	215	N/A	13	28	33, 35
A11A01688	Apo B	TIA	Vial	300	N/A	13	28	33, 35
A11A01611	CRP CP	Latex TIA	Cassette	200	175	6 Std 16 H.Sens.	22 Std 25 H.Sens.	Saline
A11A01900	Ferritin 2 CP	Latex TIA	Cassette	100	63	7	23	Saline
A11A01697	Haptoglobin	TIA	Vial	690	N/A	12	27	33, 35
A11A01702	HbA1c WB	Latex TIA	Vial	345	300	11	26	(36)
A11A01923	IgA CP	TIA	Cassette	100	80	15	32, 33	
A11A01924	IgG CP	TIA	Cassette	100	80	15	32, 33	
A11A01925	IgM CP	TIA	Cassette	100	80	15	32, 33	
A11A01691	Kappa	TIA	Vial	300	N/A	12	27	33, 35
A11A01692	Lambda	TIA	Vial	300	N/A	12	27	33, 35
1300032563	Micro Albumin 2 CP	TIA	Cassette	150	136	10 Uri. 12 Ser.	24 Uri. 27 Ser.	35 Ser.
A11A01904	Myoglobin 2 CP	Latex TIA	Cassette	100	N/A	9	23	
A11A01696	Orosomucoid	TIA	Vial	438	N/A	12	27	34, 35
A11A01695	Prealbumin	TIA	Vial	200	N/A	12	27	34, 35
A11A01613	RF CP	Latex TIA	Cassette	100	120	8	22	Saline
A11A01926	Transferrin CP	TIA	Cassette	100	80	15	32, 33	
1300022598	ASO 2 CP	Latex TIA	Cassette	100	100	17	22	

Reference	ABX Pentra Designation	Formulation	Container Format	Volume	Products #
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Auxiliary Reagents ●

A11A01655	Accelerator I CP	Buffer	Cassette	99 mL	33
A11A01656	Accelerator II CP	Buffer	Cassette	99 mL	34
A11A01662	Sample Diluent CP	Buffer	Cassette	99 mL	35
A11A01730	HbA1c WB Hemolysis Reagent	Hemolysing	Vial	110 mL	36

CALIBRATORS & CONTROLS



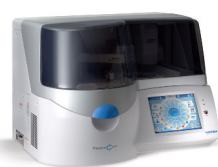
Reference	ABX Pentra Designation	Formulation	Container Format	Level Description	Products #
Calibrators ●					
A11A01652	MultiCal	Lyo	10 x 3 mL	--	1
A11A01647	HDL Cal	Lyo	2 x 1 mL	--	2
A11A01678	LDL Cal	Lyo	2 x 1 mL	--	3
A11A01648	CO2 Cal	RTU	3 x 3 mL	--	4
A11A01898	TPU Cal	RTU	3 x 3 mL	--	5
A11A01616	CRP Cal	RTU	5 x 1 mL	2.5, 10, 40, 80, 160 mg/L	6
A11A01619	Ferritin Cal	RTU	4 x 1 mL	500 ng/mL	7
A11A01618	RF Cal	RTU	5 x 1 mL	10, 20, 40, 80, 120 IU/mL	8
A11A01620	Myoglobin Cal	RTU	5 x 1 mL	0, 62.5, 125, 250, 500 ng/mL	9
1300032565	Micro ALB 2 Cal	RTU	5 x 1 mL	--	10
A11A01703	HbA1c WB Cal	RTU	1 x 8 mL + 5 x 2 mL	--	11
A11A01698	Protein Cal	RTU	4 x 1 mL	--	12
A11A01773	Apo Cal	Lyo	2 x 1 mL	--	13
A11A01680	Fructo Cal	Lyo	3 x 1 mL	--	14
A11A01927	SP Cal	RTU	5 x 1 mL	--	15
A11A01983	CRP HS Cal	RTU	2 x 2 mL	10 mg/l	16
1300022600	Aso 2 Cal	RTU	5 x 1 mL	--	17

Controls ●

A11A01653	N Control	Lyo	10 x 5 mL	18
A11A01654	P Control	Lyo	10 x 5 mL	19
A11A01650	CO2 Control	RTU	3 x 3 mL	21
A11A01621	Immuno I Control L/H	Lyo	1 x 3 mL + 1 x 3 mL	22
A11A01622	Immuno II Control L/H	Lyo	1 x 3 mL + 1 x 3 mL	23
A11A01967	Micro ALB Control L/H	RTU	1 x 10 mL + 1 x 10 mL	24
A11A01731	Low CRP Control	RTU	4 x 1 mL	25
A11A01704	HbA1c WB Control	Lyo	2 x 0.25 mL + 2 x 0.25 mL	26
A11A01700	Protein Control L/H	RTU	2 x 1 mL + 2 x 1 mL	27
A11A01774	Apo Control L/H	Lyo	1 mL + 1 mL	28
A11A01681	Fructo Control N	Lyo	3 x 1 mL	29
A11A01682	Fructo Control P	Lyo	3 x 1 mL	30
A11A01674	Urine Control L/H	RTU	1x10mL + 1x10mL	31
A11A01928	SP Control Low	RTU	3 x 1 mL	32
A11A01929	SP Control High	RTU	3 x 1 mL	33
1300026187	CK2 Control	Lyo	4 x 5 mL	34

ISE :

Electrodes, Solutions and Standards



Reference	ABX Pentra Designation	Formulation	Container Format	Capacity
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Pentra C400, ABX Pentra 400 and Pentra C200 ISE option ●

A11A01717	Standard 1	RTU	Bottle	280 mL
A11A01718	Standard 2	RTU	Bottle	100 mL
A11A01719	Reference (PC200)	RTU	Bottle	100 mL
A11A01738	Sodium-E	RTU	Electrode	1
A11A01739	Chloride-E	RTU	Electrode	1
A11A01740	Potassium-E	RTU	Electrode	1
A11A01741	Reference-E	RTU	Electrode	1
A11A01769	Etching CP	RTU	Cassette	25 mL
A11A01901	Reference 280 mL (PC400/P400)	RTU	Bottle	280 mL
A11A01971	ISE Cleaner (PC200)	RTU	Cassette	90 mL

CONSUMABLES & ACCESSORIES

Pentra C400 / ABX Pentra 400
Consumables & Accessories ○



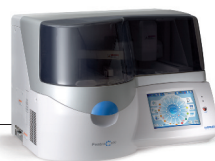
Reference	Designation	Pack Size
A11A01891	Cuvette Segments (Racks)	450
A11A01765	Sample Cup - Blue	1000
A11A01766	Sample Cup - Green	1000
A11A01767	Sample Cup - White	1000
A11A01768	Sample Cup - Yellow	1000
B8086648	100 µL Teflon Seal	10
B8086583	1000 µL + 500 µL O'Rings	10
B8086605	1000 µL Teflon Seal	10
B1034626	10 mL Reag Cup	100
B1037307	15 mL Reag Cup	100
B1034634	4 mL Reag cup	100
B8089078	Liq. Elem + Gasket Ring Filter	1
B8078955	Reagent Syringe (1000 µL)	1
B8076812	Sample Syringe (100 µL)	1
B8088454	Seal Replacement Tool	1
HAX0166	Sample Rack Stickers - # 01 to 10	1
HAX0167	Sample Rack Stickers - # 11 to 20	1
HAX0168	Sample Rack Stickers - # 21 to 30	1
HAX0169	Sample Rack Stickers - # 31 to 40	1
HAX0170	Sample Cup Rack Stickers - # 41 to 50	1
HAX0171	Sample Cup Rack Stickers - # 51 to 60	1
HAX0172	Sample Cup Rack Stickers - # 61 to 70	1
HAX0173	Calibrator Sample Rack Stickers - # 71 to 84	1
HAX0174	Control Sample Rack Stickers - # 85 to 99	1
HAX0175	Reagent Rack Stickers - # 60 to 69	1
HAX0176	Reagent Rack Stickers - # 70 to 79	1
HAX0188	Calibrator Reagent Rack Stickers - # 01 to 15	1
HAX0189	Calibrator Reagent Rack Stickers - # 16 to 29	1
HAX0190	Control Reagent Rack Stickers - # 30 to 44	1
HAX0191	Control Reagent Rack Stickers - # 45 to 59	1
XEA778CS	Sample Rack + Adaptors	1
XDA968A	Tube Adaptors	5
XDA849A	Reagent Rack + Adaptors	1
XEA780AS	4 mL Vial Adaptors	3
XEA781AS	10 mL Vial Adaptors	3
XEA782AS	Sample Cup Adaptors	3
XEA783AS	Waste Container	1
XEA935AS	Cleaning kit for Chloride electrode	1
LBH004A	Water Container	1
XDA805B	Biocup Holder	1
XDA850A	Cal/Ctrl Reagent Rack + Adaptors	1
HAX0273	Sample Rack Stickers - # 1 to 10 (2 of 5 Int.)	1
HAX0274	Sample Rack Stickers - # 11 to 20 (2 of 5 Int.)	1
HAX0275	Sample Rack Stickers - # 21 to 30 (2 of 5 Int.)	1
HAX0276	Sample Rack Stickers - # 31 to 40 (2 of 5 Int.)	1
HAX0277	Sample Cup Rack Stickers - # 41 to 50 (2 of 5 Int.)	1
HAX0278	Sample Cup Rack Stickers - # 51 to 60 (2 of 5 Int.)	1
HAX0279	Sample Cup Rack Stickers - # 61 to 70 (2 of 5 Int.)	1
HAX0280	Calibrator Sample Rack Stickers - # 71 to 84 (2 of 5 Int.)	1
HAX0281	Control Sample Rack Stickers - # 85 to 99 (2 of 5 Int.)	1
1300028830	Lamp P400	1
1203601326	Lamp PC400	1
A11A01758	ABX Pentra Qualitest Solution	30 mL
A11A01755	ABX Pentra Clean-Chem CP	30 mL
A11A01754	ABX Pentra Deproteinizer CP	29 mL
A11A01789	ABX Pentra Clean-Chem 99 CP	4 x 99 mL
A11A01851	Dummy Electrode	1
A11A01572	4 mL Nalgene Vials	12

Pentra C400 Consumables & Accessories ●



Reference	Designation	Pack Size
A11A01922	30/10 cassettes kit	6
HAX0334	PC400 Open Cassette Sticker sheet 1	1
HAX0335	PC400 Open Cassette Sticker sheet 2	1
NAB034A	Black _ Cartridge for WP4015 (3400)	1
NAB035A	Cyan _ Cartridge for WP4015 (3400)	1
NAB036A	Magenta _ Cartridge for WP4015 (3400)	1
NAB037A	Yellow _ Cartridge for WP4015 (3400)	1
NAB038A	Maintenance box for WP4015	1
1300012671	Black _ Cartridge for WF5110DW (4000)	1
1300012672	Cyan _ Cartridge for WF5110DW (4000)	1
1300012673	Magenta _ Cartridge for WF5110DW (4000)	1
1300012674	Yellow _ Cartridge for WF5110DW (4000)	1
1300017438	ABX Pentra Precitest Solution	1 x 15 mL

Pentra C200 Consumables & Accessories ○



Reference	Designation	Pack Size
A11A01914	Cuvette racks PC200	60 x 96
A11A01915	Cuvette waste bags	100
A11A01765	Sample Cup - Blue	1000
A11A01766	Sample Cup - Green	1000
A11A01758	ABX Pentra Qualitest Solution	30 mL
A11A01755	ABX Pentra Clean-Chem CP	30 mL
A11A01754	ABX Pentra Deproteinizer CP	29 mL
A11A01767	Sample Cup - White	1000
A11A01768	Sample Cup - Yellow	1000
F10B40310	Halogen Lamp	1
F10B26109	Sample syringe tips	10
F10B05508	Reagent syringe tips	10
F10B05511	Wash syringe tips	10
F10B40253	Filter for water system tank	1
XEC086AS	Silicon oil for tips	3 mL
A11A01922	30/10 cassettes kit	6
HAX0297	Barcode sheet	1
1300017438	ABX Pentra Precitest Solution	1 x 15 mL
A11A01851	Dummy Electrode	1
F10B40314	Sample cups adaptors	1
F10B40189	Sample tray assy	1
F10B40190	Reagent tray assy	1
F10B40213	System water tank	1
F10B40212	Waste tank (PC200 ISE)	1
F10B40211	Waste tank (PC200 std)	1
F10B40255	sampling needle	1
F10B40318	Waste bag insertion tool	1
F10B05964	Tool for needle	1
F10B40092	Detergent container	10



COAGULATION



Yumizen G1550



Yumizen G800



Yumizen G Range
G1550 / G800

38

Yumizen G Range
G400 / G200 / G100

40



Yumizen G400

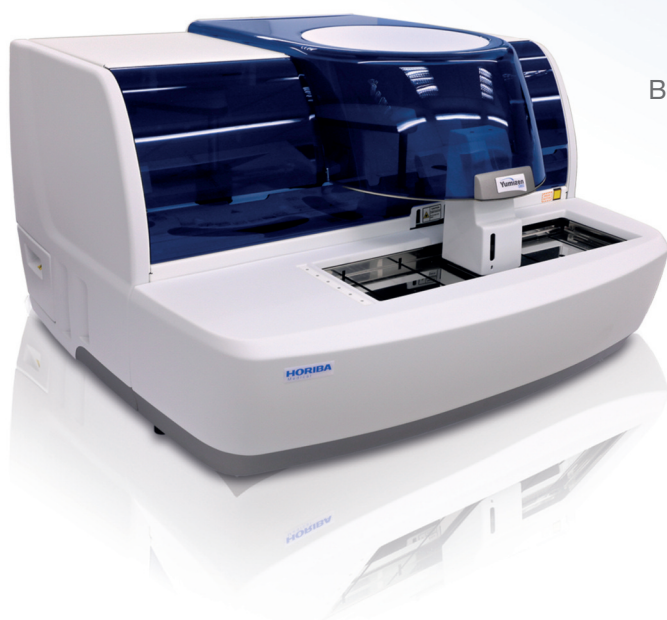


Yumizen G200



Yumizen G100

Yumizen
G800



Bench top automatic coagulation analyser

4 independent measuring channels

3 measuring methods: clotting,
turbidimetric and chromogenic

100 PT tests/hour

Yumizen G Range

G1550/G800

Yumizen
G1550



- Bench top automatic coagulation analyser
- 8 independent measuring channels
- 3 measuring methods: clotting, turbidimetric and chromogenic
- 240 PT tests/hour
- Optional cap piercing



The release date of the G800 and the G1550 will be announced within the year

Reference	Designation	Formulation	Number of tests	Packaging	System
Yumizen G1550 / Yumizen G800					
Routine Reagents					
130036338	Yumizen G PT 5	Lyophilized	250	5 x 5 mL	Yumizen G800 / Yumizen G1550
130036373	Yumizen G PT Liq 4	Liquid	480	12 x 4 mL	Yumizen G800 / Yumizen G1550
130036376	Yumizen G PT Reco 10	Liquid	100	10 x 10 mL	Yumizen G800 / Yumizen G1550
130036377	Yumizen G APTT 4	Lyophilized	480	6 x 4 mL	Yumizen G800 / Yumizen G1550
130036379	Yumizen G APTT Liq 2	Liquid	240	6 x 2 mL	Yumizen G800 / Yumizen G1550
130036382	Yumizen G TT	Lyophilized	360	12 x 3 mL	Yumizen G800 / Yumizen G1550
130036383	Yumizen G FIB 2	Lyophilized	960	12 x 2 mL	Yumizen G800 / Yumizen G1550
130036386	Yumizen G CaCl ₂ 4	Liquid	960	12 x 4 mL	Yumizen G800 / Yumizen G1550

Auxiliary reagents

130036385	Yumizen G Imidazol	Liquid	12 x 15 mL	Yumizen G800 / Yumizen G1550
130036418	Yumizen G Sorb	Liquid	12 x 15 mL	Yumizen G800 / Yumizen G1550
130036420	Yumizen G Cleaner	Liquid	4.5 L	Yumizen G800 / Yumizen G1550
130036421	Yumizen G Clean SYS	Liquid	0.1 L	Yumizen G800 / Yumizen G1550

Calibrators & Controls

1300036416	Yumizen G CAL	Lyophilized	12 x 1 mL	Yumizen G800 / Yumizen G1550
1300036412	Yumizen G CTRL I & II	Lyophilized	5 x 1 mL (x2)	Yumizen G800 / Yumizen G1550

Consumables

1300036425	Yumizen G cuvettes	2 x 500 cuvettes	Yumizen G800 / Yumizen G1550
1300039490	Magnetic stirers	10	Yumizen G800 / Yumizen G1550

Yumizen
G100



Whole blood point of care system
INR monitoring of oral anticoagulant
Single use reaction cuvette
RFID reagents identification
Mobile device

Yumizen G Range

G400/G200/G100

- Semi-automated coagulation screening
- DDimers tests
- Maintenance free
- Small footprint

Yumizen
G200



Yumizen
G400





Reference	Designation	Formulation	Number of tests	Packaging	System
Yumizen G400 / Yumizen G200 Yumizen G100					
Routine Reagents					
130036338	Yumizen G PT 5	Lyophilized	250	5 x 5 mL	Yumizen G200 / Yumizen G400
130036373	Yumizen G PT Liq 4	Liquid	480	12 x 4 mL	Yumizen G200 / Yumizen G400
130036376	Yumizen G PT Reco 10	Liquid	100	10 x 10 mL	Yumizen G200 / Yumizen G400
130036377	Yumizen G APTT 4	Lyophilized	480	6 x 4 mL	Yumizen G200 / Yumizen G400
130036379	Yumizen G APTT Liq 2	Liquid	240	6 x 2 mL	Yumizen G200 / Yumizen G400
130036382	Yumizen G TT	Lyophilized	360	12 x 3 mL	Yumizen G200 / Yumizen G400
130036383	Yumizen G FIB 2	Lyophilized	960	12 x 2 mL	Yumizen G200 / Yumizen G400
130036386	Yumizen G CaCl ₂ 4	Liquid	960	12 x 4 mL	Yumizen G200 / Yumizen G400
130036417	Yumizen G INR kit	Lyophilized	25	25 tests	Yumizen G100

Calibrators & Controls

1300036416	Yumizen G CAL	Lyophilized	12 x 1 mL	Yumizen G200 / Yumizen G400
1300036412	Yumizen G CTRL I & II	Lyophilized	5 x 1 mL (x2)	Yumizen G200 / Yumizen G400

Consumables

1300036425	Yumizen G cuvettes	2 x 500 cuvettes	Yumizen G200 / Yumizen G400
1300039277	G100 pink pipette 20 µL	1	Yumizen G100
1300039279	Yumizen G100 dark green pipette 200 µL	1	Yumizen G100
1300039290	Yumizen G100 yellow cones 200 µL	1	Yumizen G100
1300039291	Yumizen G100 pipette holder	1	Yumizen G100
1300039292	Yumizen G100 plunger pipette 20 µL	1	Yumizen G100
1300039293	Yumizen G100 plugged pipette 20 µL	1	Yumizen G100
1300039294	Yumizen G400 printer paper (1 roll)	1	Yumizen G400



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