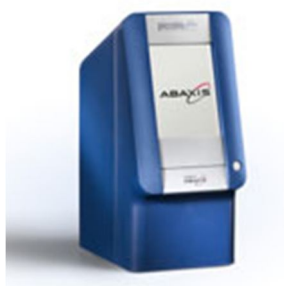




Telephone: + 27 (0)11 791 0025  
Facsimile: + 27 (0)86 551 0832  
e-Mail: [johan@anjotech.co.za](mailto:johan@anjotech.co.za)

## Piccolo<sup>®</sup> Xpress

On-The-Spot Chemistry Results in minutes



The Piccolo Xpress is a compact, portable clinical chemistry system designed for on-site patient testing. Roughly the size of a shoebox, health care providers use the easy to follow color touch screen commands to perform routine multi-chemistry panels. 0.1cc of whole blood, serum or plasma is added directly to the patented 8-cm diameter single use plastic disc containing the liquid diluent and dry reagents. The disc is placed in the analyzer drawer where centrifugal and capillary forces are used to mix the reagents and sample in the disc. The Piccolo Xpress monitors the reagent reactions simultaneously using nine wavelengths, calculates the results from the absorbance data and reports the results. The Piccolo Xpress self-calibrates with each run and the on-board continuous intelligent Quality Control (iQCT) monitors the analyzer, reagent reactions and sample to ensure chemistry and instrument integrity. This assures you the highest quality and accuracy in results. Results are ready in approximately 12 minutes with a "hard copy" report suitable for the patient file or transferred to a computer, printer or an LIS/EMR. This enables you to rapidly obtain critical diagnostic information at point of care. The easy-to-use, low maintenance system requires no special training to operate

## Piccolo<sup>®</sup> Xpress Features & Benefits

### On the spot lab results

The Piccolo Xpress delivers routine multi-chemistry and electrolyte test results quickly and easily in virtually any treatment setting,

- A fully automated system with walk away operation

- Uses a small sample size (0.1cc of whole blood, serum or plasma)
- No sample pre-treatment is needed
- Results are available in approximately 12 minutes.
- The built in intelligent Quality Control meets CLIA and NCCLS requirements for daily control testing
- The Piccolo Xpress delivers up to 24 individual tests including CLIA-waived lipids, liver enzymes and glucose monitoring
- Results are provided in a "hard copy" self-adhesive report or can be quickly transferred to a printer, computer or data management system, enabling physicians to rapidly obtain critical diagnostic information at the point-of-care

### **Small on Space. Big on Accuracy.**

Compact and portable, the Piccolo Xpress is easy to incorporate into your clinical setting, yet provides the precision and accuracy comparable to larger, more expensive laboratory analyzers.

- Small footprint measures 32.4 cm (12.75 in.) x 15.2 cm (6 in.) x 20.3 cm (8 in.)
- Portable and lightweight with carrying handle only weighs 11.2 pounds
- The advanced technology uses centrifugal and capillary forces to mix diluent, reagents and sample in a self-contained, disposable disc lessening opportunities for procedural errors
- On-board intelligent Quality Control system performs continuous QC checks during the complete analytical process to ensure accurate results
- Bar coded self-contained reagent discs are self-calibrating and monitors panel information
- Multi- analyte panel results include alpha-numeric patient information, analyte concentrations, reference ranges, sample integrity indices and QC performance
- Operator security capabilities limit non-user entry
- Peer reviewed studies support performance
- Bidirectional communication USB ports transmit data to external peripherals.
- Stores up to 5000 patient and control results on-board

### **Easy Operation**

The Piccolo Xpress procedure is quick and easy to perform.

- No special operating skills are needed to run the Piccolo Xpress

- Easy to use color touch screen guides the operator through the process
- Flexible alpha – numeric data entry options and analyzer settings
- Self-contained, disposable reagent discs are easy to handle
- Every reagent disc automatically self-calibrates
- Integrated intelligent Quality Control (iQC) checks performance and accuracy
- Requires very little maintenance
- Abaxis provides on-going service and support
- Operates from line or 15-volt battery power
- Direct compatibility supported with USB peripherals including bar code readers, keyboards, personal computers and printers.
- CD Software makes testing upgrades easy

## Piccolo<sup>®</sup> Xpress Specifications

<b>Dimensions</b>	Height 32.4 cm (12.75 in) Width 15.2 cm (6 in) Depth 20.3 cm (8 in)	 <p>Reagent Disc</p>
<b>Weight</b>	Analyzer            5.1 kg (11.2 lbs) Power Adapter    0.7 kg (1.6 lbs)	
<b>Power Requirements</b>	100-240 volts AC; 50-60 Hz; or 15 volts DC, 5.0A	
<b>Sample Size</b>	0.1cc (100 µl)	
<b>Sample Type</b>	Lithium heparin, whole blood, serum or plasma	
<b>Test Time</b>	Approximately 12 minutes	
<b>Quality Control Features</b>	Built-in intelligent Quality Control (iQC™) system	
<b>Communication</b>	Bi-directional input/output	
<b>Consumables</b>	8-cm diameter, single-use, self-contained plastic chemistry reagent discs. Each disc contains all reagents needed to perform a panel of tests on a single sample	
<b>Data Input Display</b>	10-digit numeric –VGA color touchscreen	
<b>Printer</b>	Built in thermal printer with adhesive backed paper External Printer/LIS/EMR capable	
<b>Memory Capacity</b>	Up to 5000 patient and quality control results	
<b>Mode of Operation</b>	Continuous	
<b>Protection Against Ingress of Fluids</b>	Ordinary equipment (IPX0)	
<b>Analyzer Software</b>	Comprised of two matched programs; one processes the information and controls the measurement engine itself, the other reports analyte concentrations Stores data related to each run (time, date, user ID, patient results, control data) Results can be uploaded to a computer using USB Ports	
<b>Analyzer Hardware</b>	Xenon arc stroboscopic lamp and a beam-splitter/detector read nine wavelengths 16-bit analog-to-digital converter used in signal processing Two microprocessors control analyzer functions Heater maintains disc at 37 ± 1° C during reaction portion of analysis	
<b>Ambient Operating Temperature Range</b>	15-32° C (59-90° F)	
<b>Reaction Temperature</b>	37° C (98.6° F)	
<b>Operating Humidity</b>	0-80%, noncondensing	
<b>Thermal Protection Rating</b>	70° C (158°F)	

## Panel Descriptions and Package Inserts

Piccolo Xpress panels are configured to aid in disease diagnosis or monitor disease treatment. Each panel is a self-contained plastic disc with reagents. Intelligent Quality Control and bar coded calibration are built in to each reagent disc.



Catalogue #	Reagent Discs (Box of 10)
400-0028	<a href="#">Comprehensive Metabolic Panel (Waived)</a> – ALB, ALP, ALT, AST, BUN, Ca, Cl <sup>-</sup> , CRE, GLU, K <sup>+</sup> , Na <sup>+</sup> , TBIL, tCO <sub>2</sub> , TP
400-0024	<a href="#">Basic Metabolic Panel (Waived)</a> – BUN, Ca, Cl <sup>-</sup> , CRE, GLU, K <sup>+</sup> , Na <sup>+</sup> , tCO <sub>2</sub>
400-0025	<a href="#">Lipid Panel (Waived)</a> – CHOL, CHOL/HDL*, HDL, LDL*, TRIG, VLDL*
400-0030	<a href="#">Lipid Panel Plus (Waived)</a> – ALT, AST, CHOL, CHOL/HDL*, GLU, HDL, LDL*, TRIG, VLDL*
400-0003	<a href="#">Liver Panel Plus (Waived)</a> – ALB, ALP, ALT, AMY, AST, GGT, TBIL, TP
400-0006	<a href="#">General Chemistry 6 (Waived)</a> – ALT, AST, BUN, CRE, GGT, GLU
400-0029	<a href="#">General Chemistry 13 (Waived)</a> – ALB, ALP, ALT, AMY, AST, BUN, Ca, CRE, GGT, GLU, TBIL, TP, UA
400-0022	<a href="#">Electrolyte Panel (Waived)</a> – Cl <sup>-</sup> , K <sup>+</sup> , Na <sup>+</sup> , tCO <sub>2</sub>
400-0033	<a href="#">Kidney Check (Waived)</a> – BUN, CRE
400-0027	<a href="#">Renal Panel (Waived)</a> – ALB, BUN, Ca, Cl <sup>-</sup> , CRE, GLU, K <sup>+</sup> , Na <sup>+</sup> , PHOS, tCO <sub>2</sub>
400-0023	<a href="#">MetLyte 8 Panel (Waived)</a> – BUN, CK, Cl <sup>-</sup> , CRE, GLU, K <sup>+</sup> , Na <sup>+</sup> , tCO <sub>2</sub>
400-0026	<a href="#">Hepatic Panel</a> – ALB, ALP, ALT, AST, DBIL, TBIL, TP
400-0031	<a href="#">Basic Metabolic Panel Plus</a> – BUN, Ca, Cl <sup>-</sup> , CRE, GLU, K <sup>+</sup> , Na <sup>+</sup> , tCO <sub>2</sub> , Mg, Lactate Dehydrogenase
400-0034	<a href="#">MetLyte Plus CRP</a> – BUN, CK, Cl <sup>-</sup> , CRE, CRP, GLU, K <sup>+</sup> , Na <sup>+</sup> , tCO <sub>2</sub>

400-0035

[BioChemistry Panel Plus](#) – ALT, ALB, ALP, AMY, AST, CRP Ca, CRE, GGT, GLU  
TP, BUN, UA

\* Calculated

## Piccolo<sup>®</sup> Xpress Operation

Piccolo Xpress represents a technological breakthrough for care givers, by simply providing on the spot routine multi-chemistry and electrolyte results using a small patient sample size in any treatment setting. Unique advances in micro fluidics, dry reagents, and microelectronics have resulted in a system that can deliver quality results comparable to larger and more expensive laboratory analyzers at the point of care. Integrated calibration, quality control, sample integrity alerts, minimizes procedural errors.

### Piccolo operation is as Simple as 1-2-3



#### Step 1: Add Sample

Simply collect 0.1cc of whole blood, serum or plasma, and transfer it to the self-contained reagent disc. The single use, disposable disc contains all the reagents and diluent necessary to perform a complete fixed multi-test panel.



#### Step 2: Insert Disc

Follow the touch screen commands. Place the disc into the analyzer drawer, enter requested information and the Piccolo xpress does the rest. In approximately 12 minutes, results are ready!



### **Step 3: Read Results**

Complete panel results including patient demographics, chemistry concentrations, reference ranges, sample integrity indices and iQC are available on the full color display, printed on a self-adhesive print out, transmitted to an external printer, computer or LIS/EMR system. The Piccolo Xpress analyzer will store on-board up to 5000 patient and quality control results.