

Be Filled With Christmas Spirit!

My wife always asks me if I'm in the Christmas Spirit yet. And my reply is usually the same in that as soon as I hear three Christmas songs, then the Christmas Spirit seems to come upon me. The three songs for me are, "We Need A Little Christmas," by Percy Faith; "It's The Most Wonderful Time Of The Year," by Andy Williams; and "Christmas Is The Time To Say I Love You," by Billy Squier. I know that those three are spread across the musical spectrum, but those three always do it for me. I can't help but be jolly and sing along!

I am sure each of you also have something that triggers your Christmas Spirit into action. Be it a song, decorating, or some other activity, when we all feel something rise up and fill us with the Christmas Spirit!

My Christmas wish is for all of you to be completely filled with the Christmas Spirit. And if you are abundantly filled, then share some with those closest to you as they may be a little low this year. May Peace, Love, and Joy fill your household!

In the final edition of our



newsletter for this year, we are showcasing the Biotecnica BT3500 Chemistry Analyzer. This an excellent open system analyzer from Italy that is very robust. It has a throughput of 360 tests per hour with 190 ISE tests per hour. This is a great chemistry solution for any small to medium laboratory (Pages 2 & 4).

We have the automated Urinalysis products from Zybio. These range from the individual urine chemistry (U1600) and sediment analyzers (U2610) to the hybrid unit (U3600) that performs both chemistry and sediment in the same unit (see Page 5).

As shown at CASMET, we now offer the iChroma II reader from Boditech with their comprehensive list of

assays. We also have their AFIAS line, which we will show in our next edition. (Pages 6 & 7).

And as always, the LIS from CGM/SchuyLab to help bring everything together (Page 9). Page 11 has an Important Announcement regarding our Curtiss brand reagents. Lastly, be sure to check out Page 12 for our Service Updates.

You can always visit us at www.sst-intl.com to obtain current information, news, updates, and product brochures.

From all of us at SST, we wish you and your families a Very Merry Christmas & Prosperous New Year!

Warmest Regards,
Jerry

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GT3500



biotecnica instruments s.p.a.

THE ANALYZER SOFTWARE IS BASED ON WINDOWS® OS, INTUITIVE AND EASY TO USE. IT CAN WORK 24/24HRS, PERFORMING ROUTINE OR URGENT (STAT) SAMPLES (SERUM, PLASMA, URINE) IN RANDOM ACCESS.



Besides Clinical Chemistry the analyzer can perform Turbidimetric tests, as well as Drugs of Abuse dosages. The I.S.E. module is available for indirect potentiometry K, Na, Cl, CO₂ or direct potentiometry K, Na, Cl, Li.

Samples and reagents can be identified via barcode. Programming as well as reading and positioning of samples can be performed via LIS or manually. Reagents can be ready-to-use or concentrated. The refrigerated Reagents chamber ensures the reagents a longer stability.

Depending on the User-defined programming, the analyzer can automatically repeat with dilution the Hyperactive samples and repeat the Pathological samples. Samples can be pre-treated as well as post-treated.

Calibrations and QC have a programmable timer-driven reminder. The analyzer has its own QC, Population and Patients Archives, for statistical data elaboration and Patients Reports printing. Maintenance is software assisted.

The arms (1 for samples and 1 for reagents) are equipped with a liquid detection sensor and an encoder for correct positioning. Reagents status is continuously monitored.

BT3500**TECHNICAL SPECIFICATIONS**

ANALYSES TYPE	Clinical Chemistry, Turbidimetric, DOA, I.S.E.
THROUGHPUT BT3500	up to 360 Chem. Tests/hr + up to 190 ISE Tests/hr
THROUGHPUT BT3500S	up to 360 Chem. Tests/hr + up to 240 ISE Tests/hr
WATER CONSUMPTION	1620ml/hr±20%
ISE MODULE BT3500	Na, K, Cl, CO ₂ indirect potentiometry serum & urine
ISE MODULE BT3500S	Na, K, Cl, Li direct potentiometry serum, diluted urine
NUMBER OF REAGENTS	80 Total 40 using 50 or 80 ml vessels 40 using 10 or 20 ml vessels
REFRIGERATED REAGENT BAY	Yes
REACTION VOLUME	from 180 to 400 µl
SAMPLE VOLUME	from 1.8 to 100 µl
READING CUVETTES	45 non-disposable optical glass
SAMPLING ARMS	2, for Serum and Reagents
SAMPLE TRAY # OF POSITIONS	78 Total 62 Samples -16 Standards and Controls
TEST MODES	Random Access, Batch, STAT
TEST DIRECTORY	Up to 500
CUVETTE TEMP. CONTROL	Peltier System OFF/30/32/37°C (± 0.2° C)
VACUUM PUMP SYSTEM	External
PHOTOMETER	Solid State 10 Channel+reference channel (340,380,405,436,480,510,546,578,630,700nm)
PHOTOMETER LINEARITY	Up to 3.0 O.D.
PHOTOMETER SENSITIVITY	± 0.001 Abs.
DILUTER	2 - Long Life Ceramic 340 µl
DILUTER ACCURACY	± 0.1% f.s.
DILUTER RESOLUTION	0.1µl
CLOT SENSOR	2 - one for each sampling arm
BAR CODE	2 - Reagent and Serum
BUILT IN QC PROGRAM	3 Levels Known, 3 Levels Unknown
MAINTENANCE	Software assisted
VETERINARY VERSION	OPTIONAL
COMPUTER	Internal Windows® PC
PROCESS ELECTRONICS	12 microcontrollers. I ² C BUS protocol
DEVICES	DVD, HUB USB, HD>100 Gb
OPERATIVE SYSTEM	Windows® XP Pro or later
PERIPHERALS	OPTIONAL, on request printer & UPS
MONITOR	Color LCD 12"
TOUCH-SCREEN	Glass Protected, resistive
KEYBOARD & MOUSE	International
INTERFACE	RS232+USB+LAN+VGA+Ethernet
REMOTE DIAGNOSTICS (MODEM)	Optional
POWER SUPPLY	Universal input 100/240 Volt, 50-60 Hz, 590 Watt, PFC
DIMENSIONS	Height - 27", Width - 40", Depth - 23" (68x100x58cm)
WEIGHT	210 lb (95 Kg)

Rev. 10/2018

Features may change without notice.

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Zybio Complete Urinalysis Solution

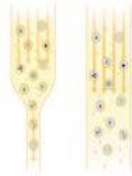
01 / Product Overview

Zybio's urinalysis solution offers a wealth of indispensable clinical insights in modern healthcare, minimizing manual operations and standardizing high-throughput processes!



U 1600	U 2610	U 3600	U 2610 + U 1600
Urine Chemistry Analyzer	Urine Sediment Analyzer	Urinalysis Hybrid System	Urinalysis Workstation
<ul style="list-style-type: none"> Built-in touch screen Full RGB Spectrum detection with high precision 	<ul style="list-style-type: none"> 150 T/H for morphology analysis Reviewable image minimize manual microscopy rate 	<ul style="list-style-type: none"> Compact yet powerful Advanced technology Comprehensive parameters 	<ul style="list-style-type: none"> Door function No connection bridge needed

02 / Advanced Technology



Laminar Flow Technology

- Avoid overlap/gathering/break of particles
- No centrifugation or staining required
- Carryovers $\leq 0.05\%$ ($\leq 100,000/\mu\text{L}$)



High-speed Photography Technology

- Avoid trailing and blurring
- Higher detection rate
- Reviewable image minimize microscopy rate



Intelligent Image Recognition

- Powerful clinical database
- Accurately extract image feature info
- Up to 25 automated classifications

03 / Comprehensive Parameters

16 Chemistry Parameters	25 Sediment Auto-classifications	05 Physical Parameters
URO NIT SG CRE	RBC NSE URIC UNCX SPRM	Color Conductivity
BIL PRO pH Ca	WBC HYAL AUJR BACI MUCS	Specific Gravity Osmolality
KET BLD VC ACR	PHCY UNCC MAPH SUCO FAT	Turbidity
LEU GLU MALB PCR	WBCC COM CAPH BYST AMOR	
	SQEP COD TYRO HYST UNCL	



Reliable Diagnosis of Patients on-the-Spot

Advanced Compact Immunofluorescence Analyzer

iCHROMA™ II



- ▶ High performance with reliability
- ▶ Small, compact & light
- ▶ Multi-test function
- ▶ LIS/HIS compatible



Built-in printer



Built-in multi-timers



On-board QC & System check



Battery and AC operated

Specifications

- 276 x 220 x 91 mm
- 1.3 kg
- 100 - 240V AC, 50-60Hz
- Battery (AAx4)

QC/Calibration

- System check cartridge
- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
- SD card slot / WiFi
- LIS / HIS compatible

Memory

- 1,000 patient results
- 1,000 QC results
- 100 User IDs

ichroma™ Parameters

Category	Item	Sample type	Working range	Test time (min)
Cardiac	Tn-I	S/P	0.1-50.0 ng/mL	12
	Tn-I Neo	S/P	0.1-50.0 ng/mL	12
	Tn-I Plus	WB/S/P	0.01-15.00 ng/mL	12
	CK-MB	WB/S/P	3-100 ng/mL	12
	CK-MB Neo	WB/S/P	3-100 ng/mL	12
	D-Dimer	WB/P	50-10,000 ng/mL	12
	D-Dimer Neo	WB/P	50-10,000 ng/mL	12
	NT-proBNP	WB/S/P	10-30,000 pg/mL	12
	Myoglobin	WB/S/P	5-500 ng/mL	12
	Myoglobin Neo	WB/S/P	5-500 ng/mL	12
	hsCRP	WB/S/P	0.1-10.0 mg/L	3
	Cardiac triple	WB/S/P	Tn-I: 0.01-15 ng/mL CK-MB: 3-100 ng/mL Myoglobin: 5-500 ng/mL	12
	ST2	WB/S/P	3.1-200 ng/mL	12
	BNP	WB/P	5-5,000 pg/mL	12
	Troponin T	WB/S/P	10-20,000 pg/mL	12
LDL Cholesterol Direct	S/P	10-300 mg/dL	10	
Cancer	PSA	WB/S/P	S/P: 0.1-100.0 ng/mL (WB: 0.5-100.0 ng/mL)	15
	AFP	WB/S/P	5-350 ng/mL	15
	AFP Neo	WB/S/P	5-350 ng/mL	15
	CEA	S/P	1-500 ng/mL	12
	CEA Neo	WB/S/P	1-500 ng/mL	15
	iFOB Neo	Feces	25-1,000 ng/mL	10
	Cyfra 21-1	S/P	1-500 ng/mL	12
	CA 19-9	S/P	8-1000 U/mL	12
Diabetes	HbA1c	WB	(NGSP) 4-15 %	12
	HbA1c Neo	WB	(NGSP) 4-15 %	12
	Microalbumin	Urine	2-300 mg/L	12
	Cystatin C	S/P	0.1-7.5 mg/L	10
Hormone	TSH	S/P	0.1-100.0 µIU/mL	12
	TSH Plus	WB/S/P	0.1-50 µIU/mL	12
	T3	S/P	0.5-5.0 ng/mL (0.77-7.7 nmol/L)	16
	T4	S/P	10.23-300.00 nmol/L	16
	Free T4	WB/S/P	1-100 pmol/L	12
	FSH	S/P	1-100 mIU/mL	15
	Progesterone	S/P	4.45-127.20 nmol/L	15
	Total βhCG	WB/S/P	5-50,000 mIU/mL	15
	β-HCG Plus	WB/S/P	2-5,000 mIU/mL	12
	LH	S/P	1-100 mIU/mL	15
	PRL	S/P	1-100 ng/mL	10
	Testosterone	S/P	1-10 ng/mL	15
	Cortisol	WB/S/P	50-800 nmol/L	10
	AMH	S/P	0.02-15 ng/mL	12
	Infection	COVID-19 Ag	NS	qualitative
COVID-19 Ab		WB/S/P	qualitative	10
COVID-19/Flu Ag Combo		NS	qualitative	20
COVID-19 nAb		WB/S/P	qualitative	20
COVID-19 SP/NP IgG		S/P	qualitative	10
CRP		WB/S/P	2.5-300 mg/L	3
hsCRP All in one		WB/S/P	0.5-200 mg/L	3
PCT		WB/S/P	0.1-100.0 ng/mL	12
PCT Plus		WB/S/P	0.02-50 ng/mL	12
PCT Plus G		WB/S/P	0.02-50 ng/mL	12
IL-6		WB/S/P	2-2,500 pg/mL	12
ASO		S/P	25-800 IU/mL	12
Dengue NS1 Ag		WB/S/P	qualitative	12
Dengue IgG/IgM		WB/S/P	qualitative	12
HBSAg*		WB/S/P	qualitative	12
Anti-HBs*		WB/S/P	qualitative	15
Anti-HCV*		WB/S/P	qualitative	12
Influenza A+B		NS/Nasal aspirate	qualitative	10
RSV		NS/Nasal aspirate	qualitative	10
Influenza A+B/RSV		NS/Nasal aspirate	qualitative	10
NORO		Feces	qualitative	12
ROTA		Feces	qualitative	12
Adeno		NS/Nasal aspirate	qualitative	10
Rota/Adeno		Feces	qualitative	12
Strep A		Throat swab	qualitative	5
Mycoplasma		Throat swab	qualitative	10
IGRA-TB 25		P	qualitative	15
Toxo IgM*		WB/S/P	qualitative	12
Toxo IgG*		WB/S/P	qualitative	12
Toxo IgG/IgM*		WB/S/P	qualitative	12
Autoimmune	RF IgM	WB/S/P	8-200 IU/mL	5
	Anti-CCP Plus	WB/S/P	3.5-300 U/mL (Semi-quantitative)	12
Liver function	Total IgE	WB/S/P	1-1,000 IU/mL	12
	AST	S/P	10-1,000 U/L	15
Other test items	Ferritin	S/P	10-1,000 ng/mL	10
	Vitamin D Neo	WB/S/P	5-100 ng/mL	12
	Calprotectin	Feces	10-1,000 mg/kg feces	10
	H. pylori SA	Feces	qualitative	12
KL-6	S/P	51-3,000 U/mL	10	

* No CE mark

WB = Whole blood, S = Serum, P = Plasma, NS = Nasopharyngeal swab

SchuyLab

Laboratory Information System



Take Control of Your Laboratory

Affordable LIS Solution

SchuyLab is a full-featured LIS that is simple and easy to use, yet affordable.

Adaptable To Your Needs

SchuyLab flexible format allows more user defined options, and is scalable to your laboratories needs.

Improve Workflow Efficiency

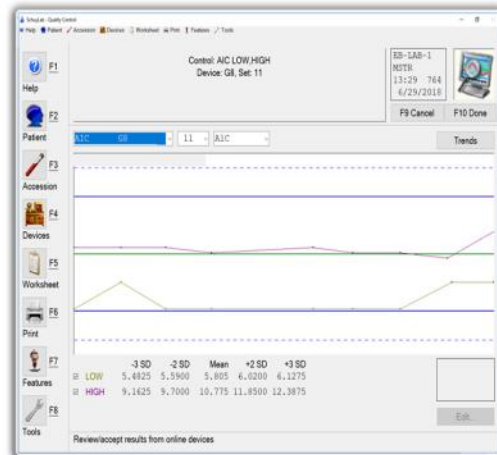
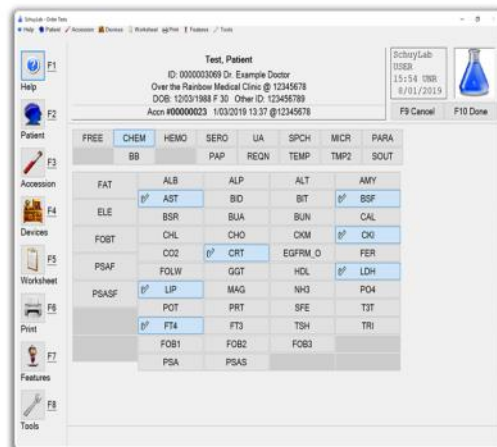
Simplified specimen handling, test or ordering and resulting streamlines your lab's daily operations.

Industry Leading Support

Experienced and dedicated support specialists available 24/7 to ensure prompt friendly support when you need it.

Modern Result Delivery Methods

SchuyLab provides efficient and automatic result delivery methods: System Interfaces, SchuyNet and Patient Portal.



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CASMET WRAP-UP

Thank you to everyone who visited us at this years' BGM/CASMET Conference in Barbados! It was truly a pleasure to see and talk to everyone during the week of activities. A special shout out to Irene Rodriquez from Mindray and Dave Pearman from Helena for their support and presentations during the BGM.

Congratulations to Dale Louis from Lab Services in St. Lucia for winning the Galaxy Watch! And congratulations to all the award winners for their commitment, hard-work and dedication to their profession.

See you in St. Kitt's in 2025!



Dale Louis, left, with Sylvanus Primus



SST Team: Sylvanus Primus, Roland Lovell, Jerry Ahlersmeyer, & Aubrey Baird



New Regional Council Members for 2023 –2025



IMPORTANT ANNOUNCEMENT

One of our missions at SST is to provide open chemistry systems so laboratories have the opportunity to choose which reagent line works best for them. This has allowed our customers to provide exceptional services to their clients while being budget friendly through cost effective reagents. This is the very reason why we offered our own Curtiss brand of reagents. Unfortunately, with costs continually increasing, we are not longer going to be able to offer chemistry reagents under our Curtiss brand. But the good news is that we have been able to partner with Teco Diagnostics to offer their complete line of chemistry reagents. We have been able to obtain very favorable pricing which will help keep the reagent prices in line to what our Curtiss reagents would be. Also, have piece of mind that the Teco reagent parameters and results correlate identically with the previous Curtiss reagents.

Some of you may have already noticed that Teco reagents have been substituted on your orders. And as the beginning of the year rolls around, all orders will be converted over to the Teco line.

For those customers that want to hold off a little longer, we will have some Curtiss reagents stocked in our Guyana office and can be purchased from them until their stock runs out.

For any questions on pricing, please contact Stephen Lee or Jerry Ahlersmeyer. For any questions on parameters or results, please contact Tech Support at techsupport@sst-intl.com.

CURTISS



Teco Diagnostics

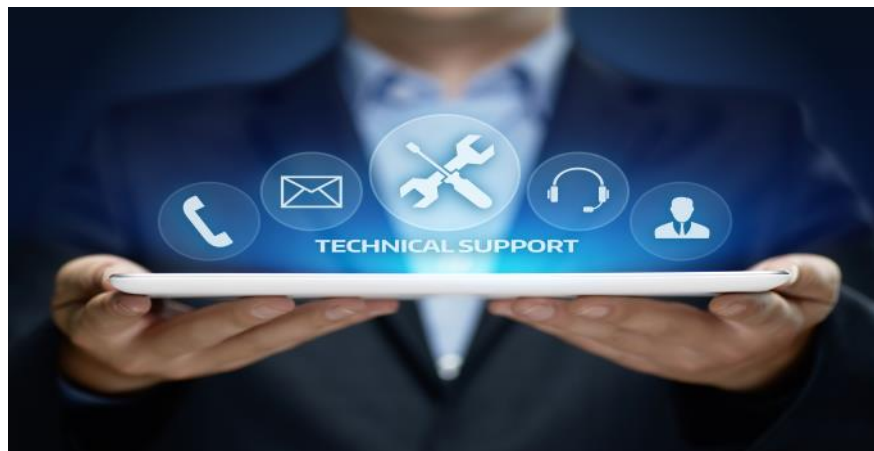
SST SERVICE UPDATE

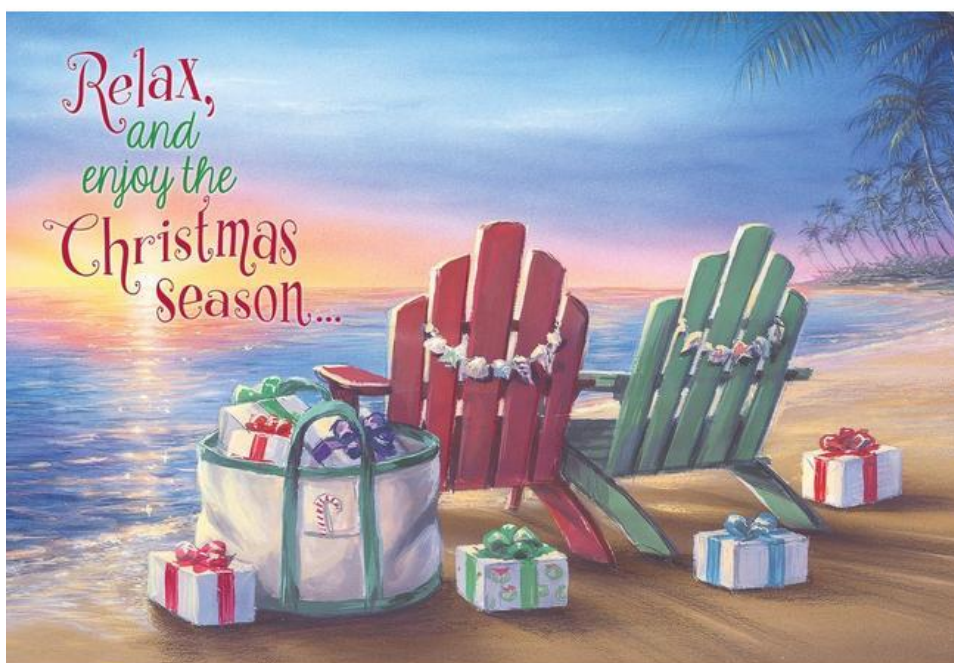
Even though our offices will be closed from December 22nd through January 1st for Christmas & New Year's, our service department will be accessible via WhatsApp or by email at service@sst-intl.com. From all of us in the Service Department, we wish you and your families a Very Merry Christmas and Happy New Year!



For all Service inquiries, please contact our Service Department at service@sst-intl.com.

For all Technical Support inquiries, please contact our Tech Support at techsupport@sst-intl.com.





Our offices will be closed from December 22nd through January 1st so we may enjoy the Christmas Season with our families.

For more information on any of the products featured in this newsletter, please [contact us!](#)



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