CBC Barred Bar	
BreakDownt Ald System	
GBC General Biologicals Corporation	

Full automation

Less than 2 hours from sample to result. Ture walk-away platform. Prefilled proprietary extraction plates. For ready-to-use lyophilized PCR master mix or liquid PCR master mix. Intuitive and easy-to-operate user interface. Different data transfer options(LIS) available Small footprint.

PCR set-up cartridges

Provides reagents and plastic consumables needed for sample processing. Holds the lyophilized or liquid PCR master-mix. PCR reaction tube & cap, and tip for liquid transfer readily available for automated processing.

Waste reduction due to thought-through and efficient concept.



Pre-filled extraction plates

For processing up to 8 samples/run.

Provides all necessary for contamination-free extraction. Residual eluate can be stored for additional downstream applications. Contains the magnetic rod cover and store it after use, for safe waste disposal.

Works with GB RealQuant HBV, HCV, and HPV Real-Time PCR kits

The integrated platform can be adapted to different PCR assay formats, from liquid to dried down/lyophilized PCR master mix to classical PCR set-up utilizing individual components. The extraction unit can be made compatible to common 96-well deep well plates as well as other customized formats. PCR modules with 4 detection channels are available, for maximum flexibility in building your optimal platform.

Liquid handling module

For rapid sample and eluate transfer. Performs preparation of PCR reaction mix. Unique design enables capping and transfer of PCR reaction tubes to PCR module.

qPCR module

4-channel qPCR for up to 16 samples/run. Provides fast cycling capability for results in less than 40 minutes. (dependent on assay used)

Extraction module

Two 8-magnetic-rod arms for processing magnetic bead based extraction. Fast and contamination-free nucleic acid extraction in 10 - 40 minutes. (dependent on protocol)

Simplify your lab workflow

The GB RealQuant AIO System consolidates extraction, amplification and detection in one easy-to-use integrated instrument, providing fast and reliable results with high flexibility. A wide range of design options for individualized requirements are available on request.

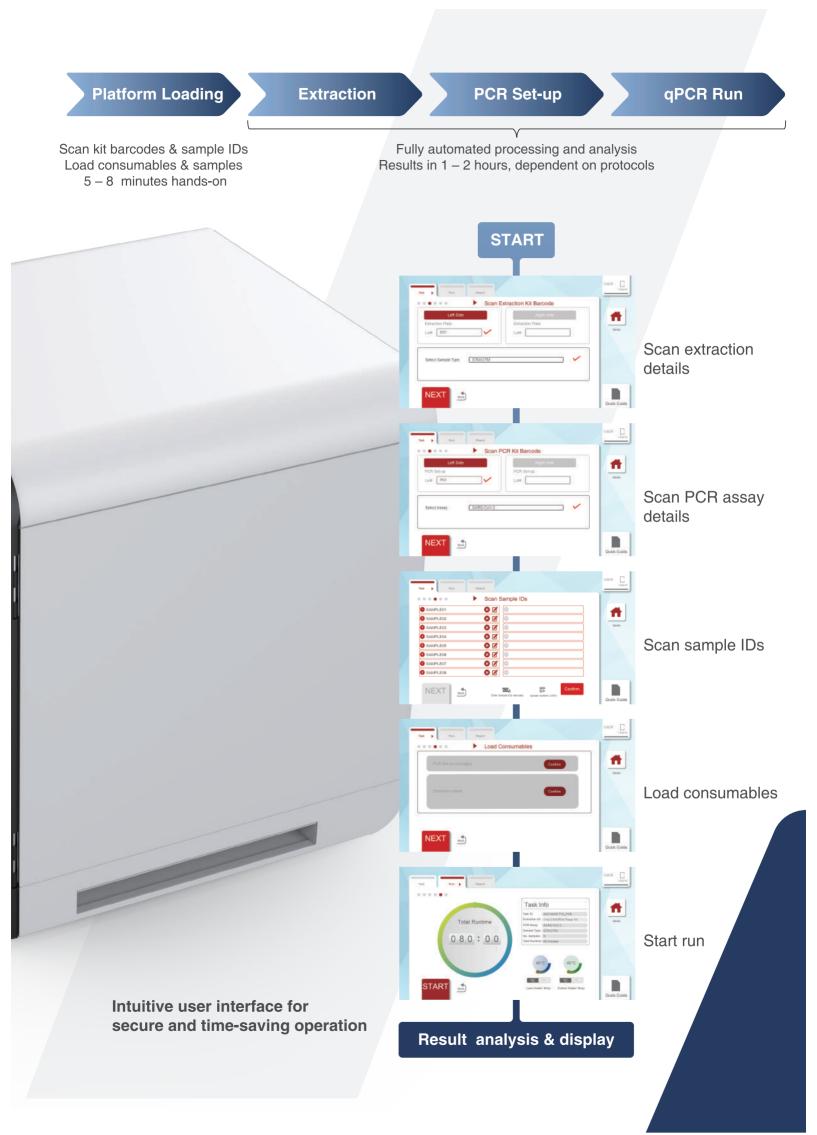
Specifications	Extraction module				
	Sample capacity	1 – 16 samples / run			
	Sample input volume	50 – 300 µl			
	Elution volume	50 – 200 µl			
	Extraction time	10 – 40 minutes / run (dependent on protocol used)			
	Magnetic beads recovery rate	≥ 98%			
	UV decontamination	Built-in			
	Liquid handling module				
	Pipetting volume	10 – 200 µl			
	Pipetting accuracy	15 μl < 5% 200 μl < 1%			
	qPCR module				
	Sample input volume	10 – 50 µl			
	Reaction temperature	40 – 99 °C			
	Light source	High-Brightness LED			
	Excitation wavelength	470 nm – 615 nm (± 10 nm) [FAM, HEX/VIC, ROX, CY5]			
	Detection wavelength	520 nm – 680 nm (± 10 nm) [FAM, HEX/VIC, ROX, CY5]			
	Platform dimensions				
	Dimensions (W x D x H)	610 × 670 × 660 mm			
	Weight	76 kg			

Choose from a wide range of extraction consumables for optimal DNA and RNA extraction results from your specific sample types.

٦N	a wide range of extraction cons IA and RNA extraction results cample types.		5	ONARNA UNIVE	ownership centre	- KI
		DHANI	Inte	DNAR IN INS	Ownersh Centres	ONA
	Sample type				0	
[Whole blood					Genomic DNA
[Buffy coat, Bone marrow					Virus Nucleic Acid
[Culture cells	•+				Bacterial/Parasite DN
[Animal tissue	•+				Circulating DNA
[FFPE tissue	●‡				○ Compatible Kit
[Plasma / Serum / CSF	●+ ◆++			*]
[Swabs	●+ ◆++]
[Liquid transport media	●+ ◆++]
[Sputum / BAL	●+ ◆++]
	Stool	●- ♦-				
	Bacterial culture	+ ++				
l	Forensic and Human Identity samples	●+				
	Dried blood spot	0+				
	Saliva and Mouth wash	●+				
	Buccal cells	●+				+ With Tissue Lysis Buffer
[CVS (Chorionic villus samples)	●+				++ With Bacteria Lysis Buffe
[FNA (Fine needle aspirates)	●+				‡ With FFPET Lysis Buffer
	Laser micro-dissected tissue	●+				- With Stool Lysis Buffer

- cid
- te DNA

- Buffer
- Buffer
- ffer



About GBC

GBC was founded in 1984 by the Taiwan Government to develop the first In-Vitro Diagnostic (IVD) HBV kit using RIA-based technology as part of Taiwan's nationwide Liver Disease Prevention Program.

GBC has since started researching and developing Hepatitis (A, B, C, D, E) and Retrovirus (HIV) across various platforms - from RIA and ELISA (Immunoassay) to Real-Time PCR (Molecular).

With an expanding range of products including Tumor markers, Fertility, Torch, and Thyroid tests, GBC now has two R&D Centers (Hsinchu, Taiwan and San Diego, USA) as well as a sales and marketing office in China. The company has also entered the consumable products market with their brand 'oh care' — a range of oral care products for infants and adults that uses the patented P113 peptide ingredient.

GBC's products have been distributed to hospitals, clinics, labs, and blood banks in more than 40 countries including Southeast Asia, the Middle East, North America, and Europe.

Better Technology for Better Life



No. 6, Innovation First Road, Hsinchu Science Park, Hsinchu Tel +886.3.5779.221 30076, Taiwan, R.O.C.

sales.group@gbc.com.tw



www.gbc.com.tw