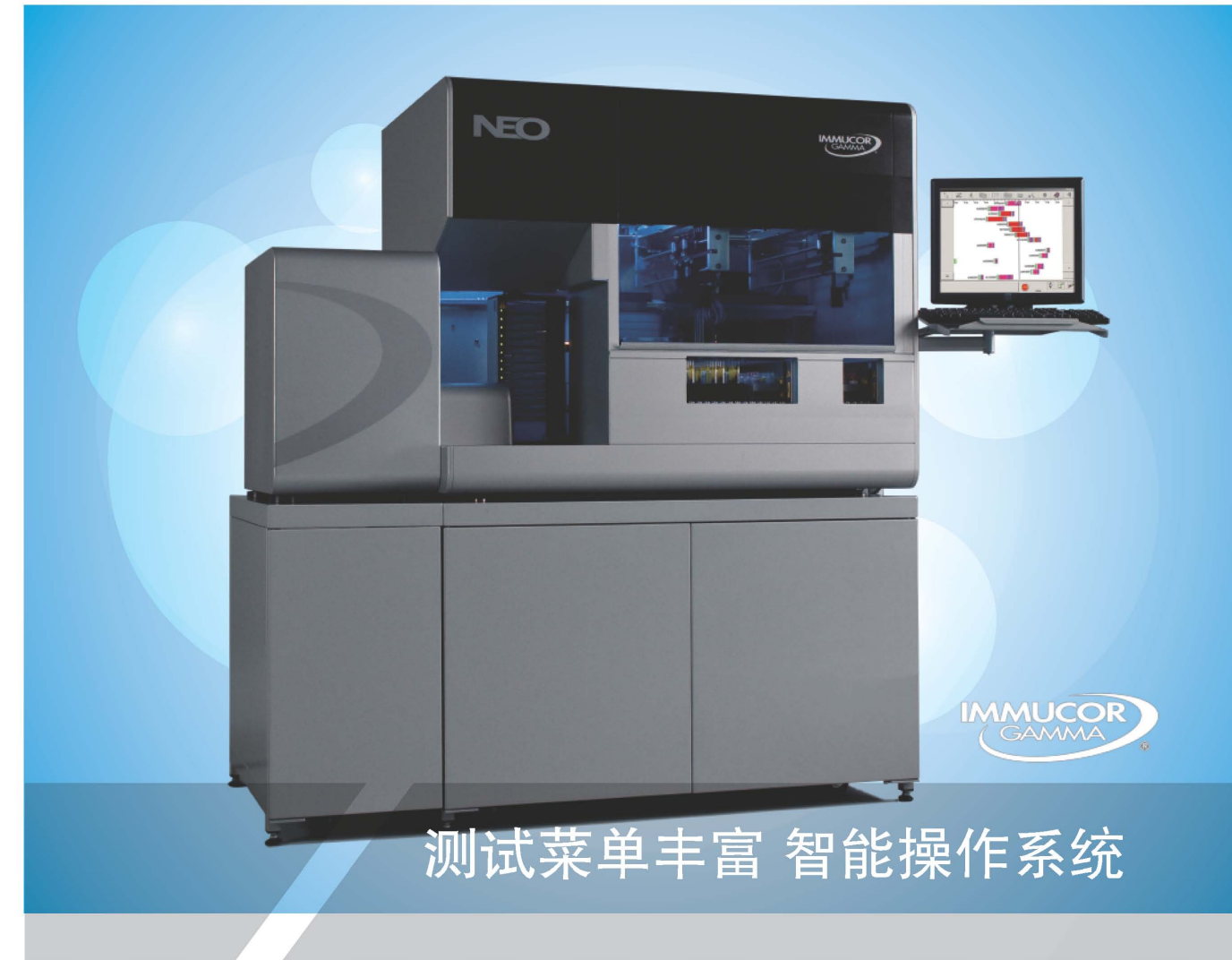


**WEGO威高** 全自动血型分析系统  
Blood Bank Automation



山东威高集团医用高分子制品股份有限公司  
SHANDONG WEIGAO GROUP MEDICAL POLYMER CO., LTD.

地址：山东省威海市火炬高技术产业开发区鞍山路10号

咨询电话：400 646 6666

电话：+86 631 5622 607 5620 109

传真：+86 631 5622 006

网站：www.weigaogroup.com

邮箱：zm@weigaogroup.com

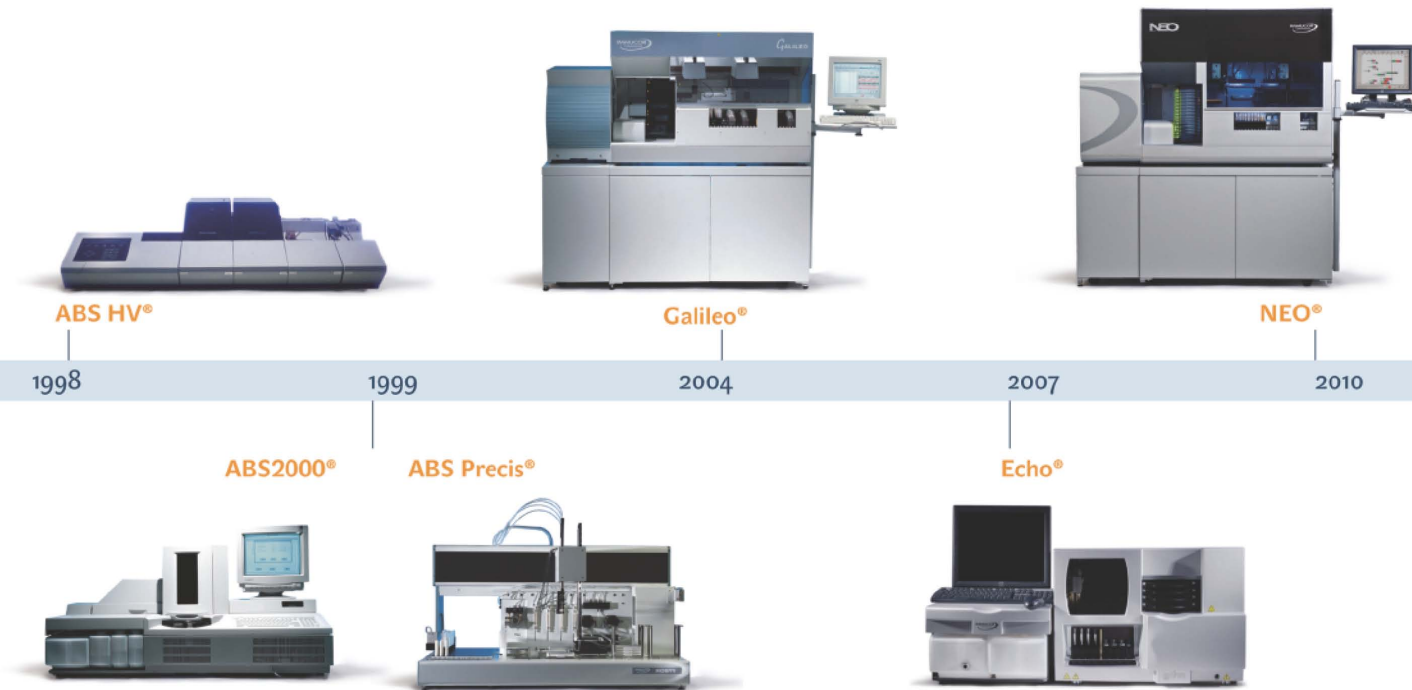


## History of Innovation

Only Immucor consistently delivers the next-generation of blood bank automation to labs worldwide

### 不断革新血库自动化的历史

IMMUCOR 为您呈现 Galileo NEO, 尖端的全自动血库系统, 专为现代实验室而设计。  
我们将不断推出陈出新, 为所有输血科室, 献血中心以及相关实验室带来超乎想象的整体解决方案。  
IMMUCOR 相信, 创新超越一切。



## Innovation that transcends all others.

Immucor, the global leader in transfusion diagnostics, introduces our latest innovation. NEO gives your laboratory the ability to achieve exceptional performance POWER, enhanced SPEED, and unprecedented FLEXIBILITY. ALL from the proven leader who consistently develops innovative, highperformance solutions that redefine the way blood banks operate.

### Expect nothing less from Immucor.

## 创新超越一切

IMMUCOR, 输血前诊断的全球领导者,  
为您呈现最新一代全自动血型分析系统。

## Galileo NEO:

更好的科技, 更强的功能, 更快的速度, 更灵活的流程, 更严格的监控。

血库的未来正在呼唤, 您准备好了吗?

### The power of productivity.

Only NEO has the performance power to deliver the broadest Immunohematology test menu in the industry. This fully automated state-of-the-art instrument will optimize your lab's workflow by fully automating more of your workload with trusted technologies that provide quality test results.

### The art of redefining workflow efficiency.

### 超高的工作效率

唯有 NEO，拥有业界最丰富的免疫血液学测试菜单，带来更强的工作性能。最尖端的全自动系统，优化您实验室工作流程，让更多的 workload 实现真正自动化。

### NEO为您重新定义更高的工作效率。

→ Neo's broad test menu allows labs to automate more of their workload and provides better cost justification for an automated platform  
 → Blood typing via hemagglutination allows you to utilize the same blood typing reagents as manual testing for seamless backup options  
 → Type and screen result in as little as 30 minutes  
 → Continuous processing allows throughput of several hundred tests per hour

NEO丰富的测试菜单，让仪器性价比更高  
 使用血细胞凝集技术进行血型鉴定，试剂可用于手工测试，实现辅助方法无缝连接  
 血型鉴定+抗体筛查测试第一出结果时间不超过30分钟



### Capture

NEO utilizes Capture, Immucor's patented microplate-based solid phase technology for high volume test processing. For over 26 years, thousands of labs across the world have trusted Capture.

NEO使用Immucor专利的Capture微孔板高通量固相检测技术。Capture技术使用超过26年，赢得了全世界数以千计的实验室的信任与肯定。

### ACCURACY

→ IgG-specific technology, for the detection of clinically significant antibodies  
 → Sensitivity is higher than manual tube or gel methods

#### 更高的精确度

IgG特异的专利技术，检测有重要临床意义的抗体；灵敏度高于试管法和凝胶微柱法。

### EASE OF USE

→ Antigens are pre-coated on the test wells so there are fewer reagents to manage  
 → Load an antibody identification panel with 1 microstrip, versus multiple reagent vials  
 Long shelf life and room temperature storage for microplates provide easier inventory management

#### 更方便被使用

抗原预先包被在微孔板内壁，减少试剂操作；抗体鉴定只需要一条微孔板，无需使用多瓶试剂；微孔板拥有更长的有效期，室温保存，方便储存管理。

### POSITIVE RESULT

→ Antiglobulin-coated indicator cells bind to antibody-coated wells forming an intact layer of cells on the well surface

#### 阳性结果

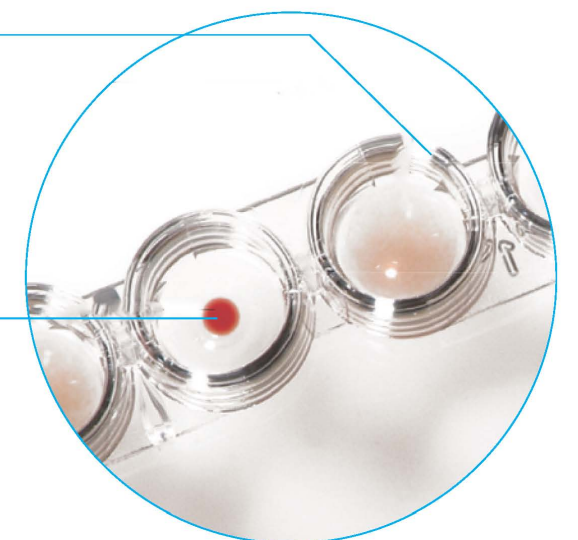
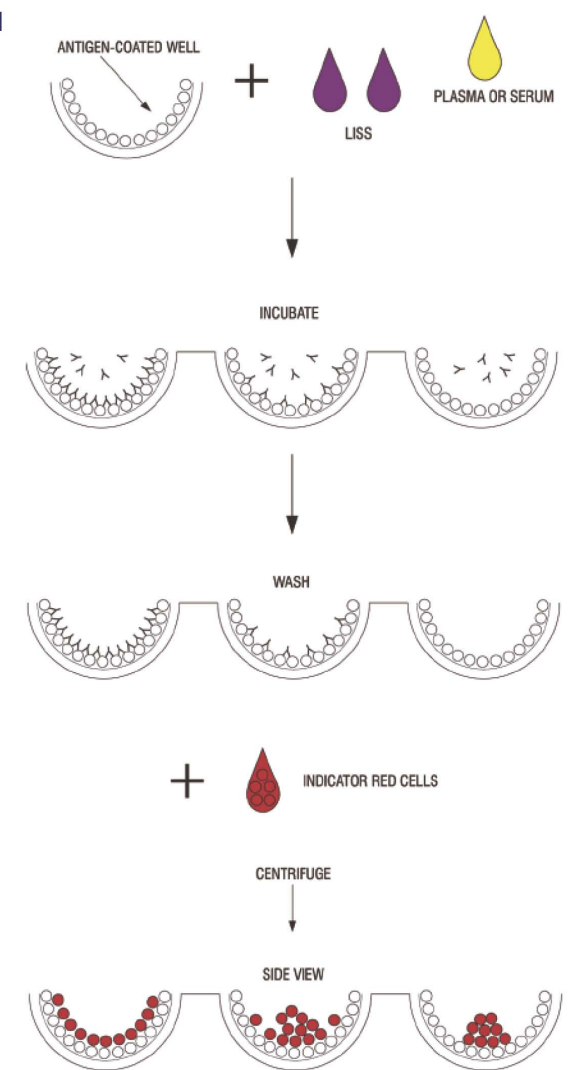
抗球蛋白包被的指示红细胞与抗原抗体复合物结合，于测试壁表面形成一层完整的细胞层

### NEGATIVE RESULT

→ No antibodies bound to wells, indicator cells will migrate to bottom of the well and form a tight button

#### 阴性结果

抗体没有与壁上抗原结合，指示红细胞将移动至测试孔底部，形成一紧密的细胞扣



NEO 的各模块可同时独立运行，  
为多样本量的实验室提供更高的效率



**MICROPLATE LOADING TOWER**  
Capacity to load 15 microplates  
with continuous access for  
loading/unloading

微孔板存取架  
可容纳 15 块 96 微孔板  
方便连续存取



**WASHER MODULE**  
Fully automated and process  
controlled microplate washer

清洗模块  
全自动清洗  
过程监控功能



**READER MODULE**  
Image analysis reader with 2 CCD  
cameras for interpreting test results

判读模块  
图像分析系统  
2 个 CCD 高清摄像头

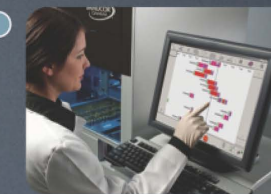


**INCUBATOR MODULE**  
6 ambient and 8 37°C incubator  
bays designed to support high  
volume testing

孵育模块  
6 个环境温度孵育室  
8 个 37°C 孵育室

**CENTRIFUGE MODULE**

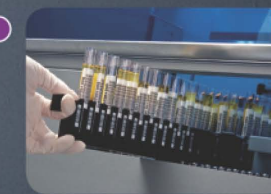
离心模块  
自动配平  
带震荡功能



**WINDOWS-BASED USER-FRIENDLY TOUCHSCREEN INTERFACE**  
全中文操作界面  
17 寸触摸式屏幕



**DUAL PIPETTORS**  
Feature 5 probes for processing multiple  
samples and plates simultaneously  
移液系统  
5 个探针同时处理多样本  
与试剂



**LINEAR RACK SAMPLE AND REAGENT BAY**  
Load up to 224 samples at once  
样本与试剂架  
卡槽式存取  
可容纳 224 个样本



**FLUIDICS MODULE IS SELF-CONTAINED**  
完备的液路模块

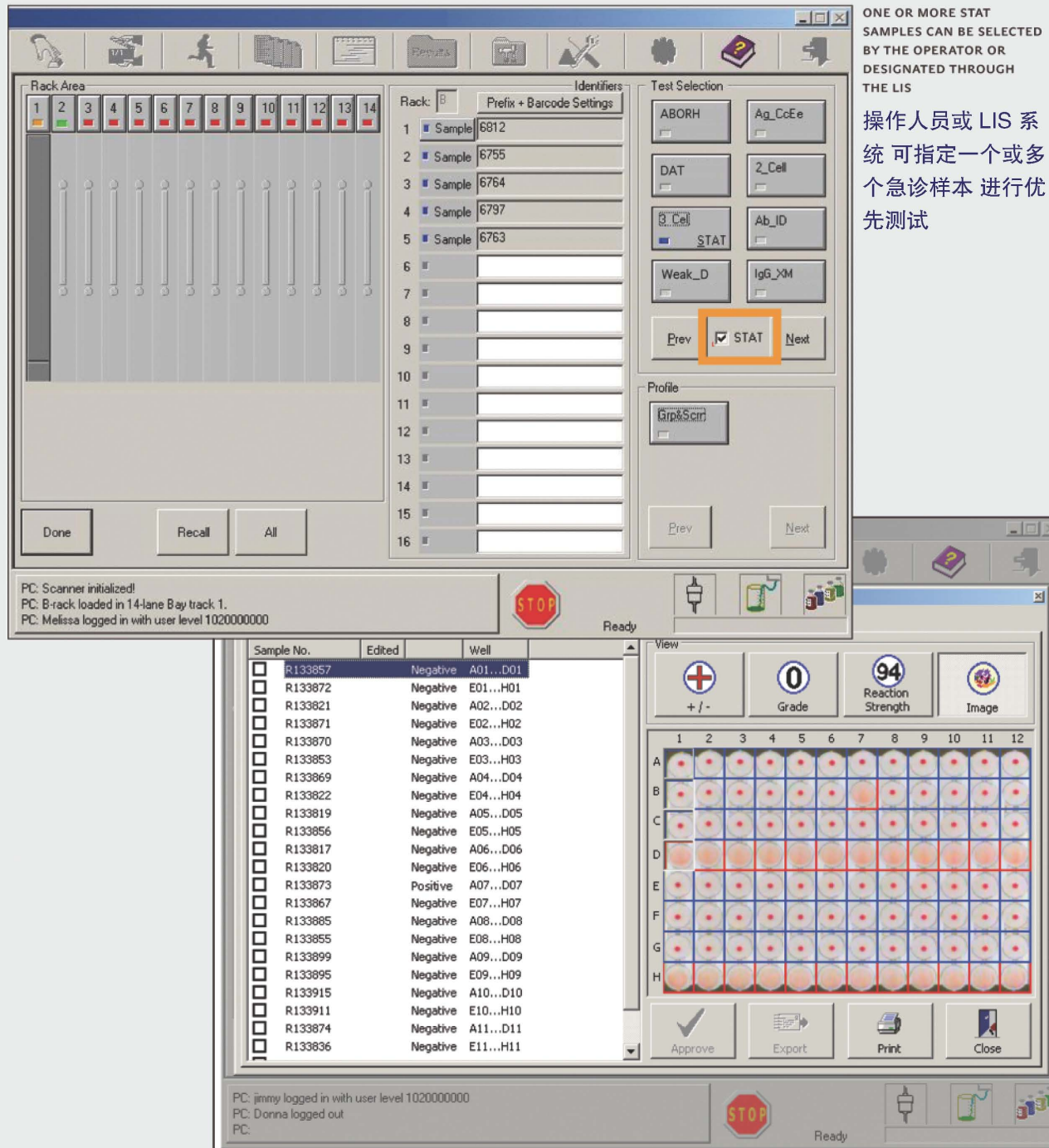
NEO 的各模块可同时独立运行，为多样本量的实验室提供更高效率

## Intuitive User-Interface

→ neo's user-friendly interface provides access to test ordering and prioritization, resource management, and reporting with the touch of a fingertip

### 直观的用户界面

NEO 方便的触摸式用户界面，快速选择测试项目、排列样本优先顺序、进行溯源管理和查看报告。

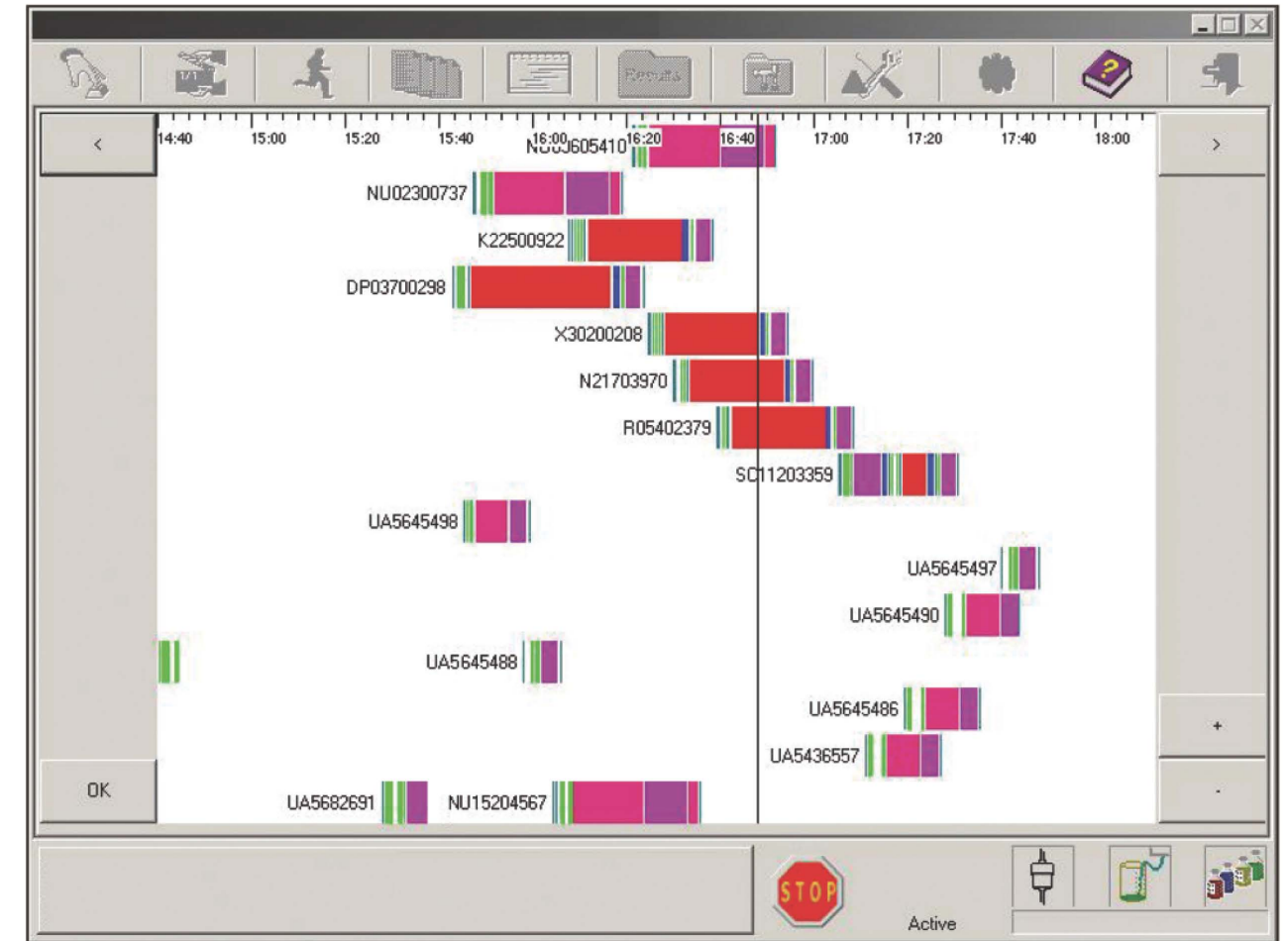


REALTIME RESULTS CAN BE VIEWED BY IMAGE, INTERPRETATION, REACTION GRADE, OR SCORE

四种方式显示实时测试结果：高清图像、阳性/阴性结果判读、反应级别和反应分值

## The most productive instrument available in the market.

### 超凡的灵活性

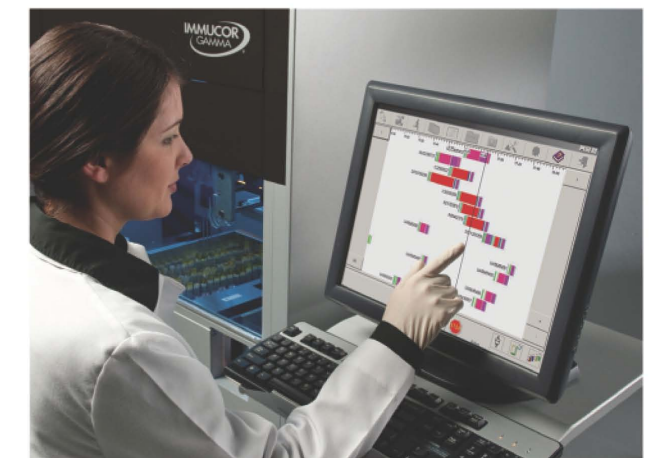


### DYNAMIC SCHEDULER

- Continuous and random access capability
- Dynamic Scheduler prioritizes workflow for maximum efficiency
- Real-time visual display provides actual time to assay completion

### 动态的工作流程表

连续存取功能；  
优化多样本测试流程，效率最大化；  
实时进程显示，精准的测试时间控制。



## ASAP.STAT.PDQ.

Your workflow is demanding. The flexibility to work the way your lab flows is the true beauty of NEO. Only NEO offers the advantage of linear sample and reagent racks for true continuous access. STAT requests never wait. Run any test, in any order, anytime.

NEO's Dynamic Scheduler with new STAT priority will enhance your workflow to the next level of operational efficiency.

NEO speaks your language with unprecedented flexibility.

### 真正的急诊优先

您的实验室需要灵活的工作流程。

NEO 提供真正灵活与弹性的测试流程设置。

卡槽式样品与试剂架提供连续加载功能。

急诊样品无需等待，随时开始任意新的测试项目。

NEO 动态的工作流程与急诊优先功能，将您的实验室效率提升至新的高度。

### CONTINUOUS ACCESS

- Loading and unloading of samples and reagents anytime
- Removal of sample rack once pipetting has completed
- LED system provides an intuitive user interface to alert the operator when sample or reagent lanes are free

#### 连续存取功能

随时加载或取出样本与试剂；  
样品吸样完成后可立即取出；  
LED 系统提供直观的用户界面，提示操作人员样品与试剂架工作状态。



Available  
空闲



Pending  
等待



In Use  
使用

### AUTOMATED EFFICIENCY

- Automated resource management maximizes efficiency
- Ability to reschedule plates to expedite STAT testing. Resources are reallocated to avoid reagent waste
- Bi-directional interface with host query for test requests and auto-verification for results export minimizer operator handson time

#### 全自动化管理

资源管理全自动化  
智能样本排序，加速急诊测试

### REFLEX TESTING

- Automatic scheduling of secondary assays reduces operator intervention
- Negative Rh test result can be reflexed to a Weak D test
- Positive antibody screen can be reflexed to a panel

#### 自动反射测试

Rh测试阴性 →<sup>自动</sup>弱D测试

抗体筛查阳性 →<sup>自动</sup>抗体鉴定测试

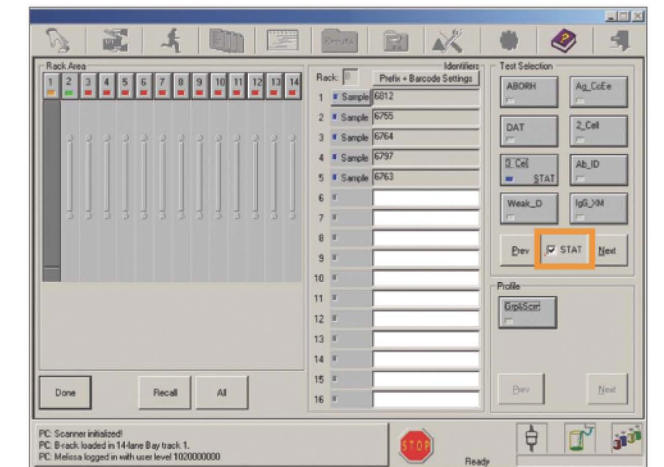


### STAT FUNCTIONALITY

#### 急诊优先功能

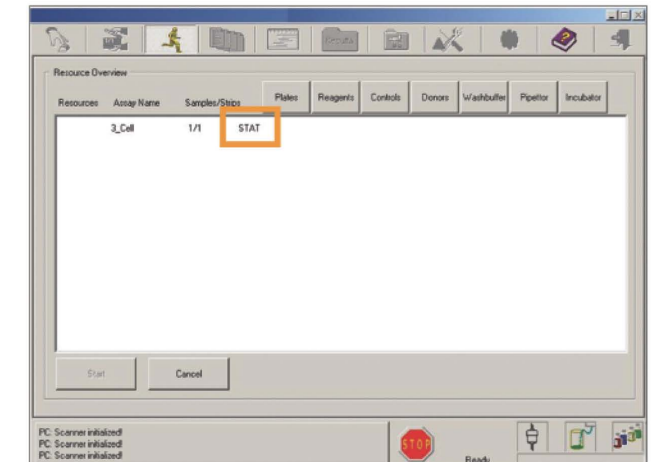
Priority sample handling with STAT functionality

选择样本，开启急诊功能



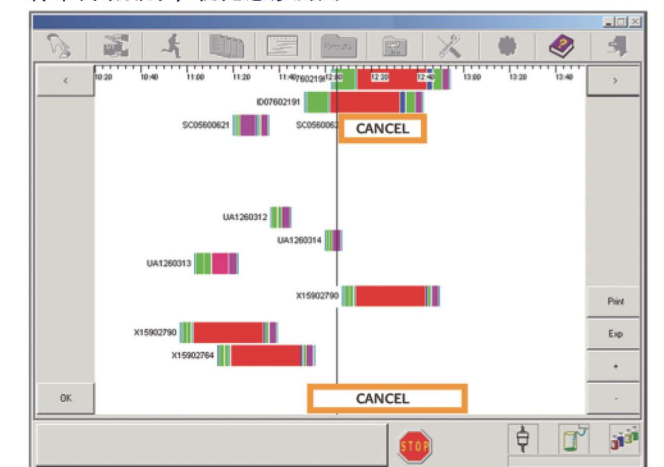
“STAT” designation populates on test request to confirm priority status

确认急诊样本进行优先测试



NEO Start Run Assistant prompts operator to initiate STAT runs first

样本自动排序，优先急诊测试



Flexible user interface allows the operator to postpone routine testing to expedite STATs

NEO 灵活的动态工用流程，可推迟常规样本的测试

## Secure by design.

When patient care is on the line, every test result counts.  
All NEO assays have built-in process controls that ensure consistent and trustworthy test results.  
The fully automated system ensures sample and result integrity.

## 质量控制安全可靠

每组样本测试结果都意义重大。

NEO 所有的测试项目均拥有质量和过程控制，保证测试结果的一致性和可靠性。

全自动系统操作，保证样本与测试结果的完整性。

- NEO software ensures positive identification and traceability throughout the testing process
- Every NEO assay includes a comprehensive QC and process control strategy
- All process controls and maintenance activities are documented and reportable

NEO 的软件系统全程监控测试流程，保证实验可溯源性与准确性。

每组 NEO 测试项目包含全面的质量控制和过程控制。

记录所有操作步骤和系统维护活动，随时打印报告。

### MULTI-LAYERED QUALITY CONTROL

NEO features numerous process controls to keep your mind at ease. This includes controls for hardware functionality, software logic, reagent performance, and assay processing.

#### 多层次质量控制

NEO 出众的过程控制功能，让您实验室工作更放心。监控包括：硬件监测功能、软件逻辑、试剂效果和测试分析过程。



### HARDWARE CONTROLS

- Real time barcode read provides positive sample/reagent identification
- Automated pipettor self check maintenance verifies pipettor function
- Temperature of incubator bays monitored continuously
- Automated washer aspirate and dispense verification

### SOFTWARE CONTROLS

- Processing and post-processing time tolerances for critical test steps
- Onboard stability times monitored specific reagents

### REAGENT/PROCESS CONTROLS

- Forward and reverse type must match for a valid ABO/Rh test result
- Monoclonal control must be negative for a valid ABO/Rh test result
- Reagent dispense safety read to confirm color change of LISS reagent

### 硬件监控

自动条码扫描，保证样本与试剂的准确性  
移液器自动维护检测，确保移液过程无误  
孵育室连续温度监控  
清洗系统自动监控

### 软件监控

测试步骤时间监控  
试剂的机上稳定时间监控

### 试剂、过程监控

ABO/Rh 鉴定测试，正反定型结果必须相互符合  
ABO/Rh 鉴定测试，单克隆质控组结果必须为阴性  
试剂颜色监控

## 最丰富的测试菜单

ABO/Rh 血型鉴定

供血者血型确定

不规则抗体筛查 (2-cell、3-cell、Pooled)

不规则抗体鉴定

IgG 交叉配血

IgG DAT

弱 D 检测

Rh 抗原表型检测

Kell 抗原表型检测

血型抗原筛查

MNV (巨细胞病毒) 检测

血小板抗体筛查

项目开发进行中



## 仪器规格

尺寸	90cm 深 × 186cm 高 × 220cm 宽
重量	420kg
电源	100-240V 47-63Hz 不间断电源支持 (UPS)
条码识别	128 码、ISBT 128、39 条码交叉二五码
样品容量	224 样本位 卡槽式样本架 LED 用户界面 连续存取样本
试剂	LED 用户界面 连续存取 均有条码 存放任意位置 重复放置相同试剂
微孔板容量	15 块微孔条 LED 用户界面 连续存取微孔板
移液系统	双移液臂 4 样本移液针 1 试剂移液针 液相水平检测 凝块检测
孵育室	6 个常温孵育室 8 个 38-40°C 孵育室
清洗系统	自动吸出与抽入清洗检测
离心系统	微孔板自动配平 震荡功能
判读系统	CCD 高清摄像头 图像分析系统
电脑	WIN7 操作系统 TFT 彩色触摸屏 DVD 数据刻录存档