

## PRESS RELEASE

## DIATRON INTRODUCES ADVANCED RUO INDICES ON ITS AQUILA, AQUARIUS 3, ABACUS 5 ANALYZERS

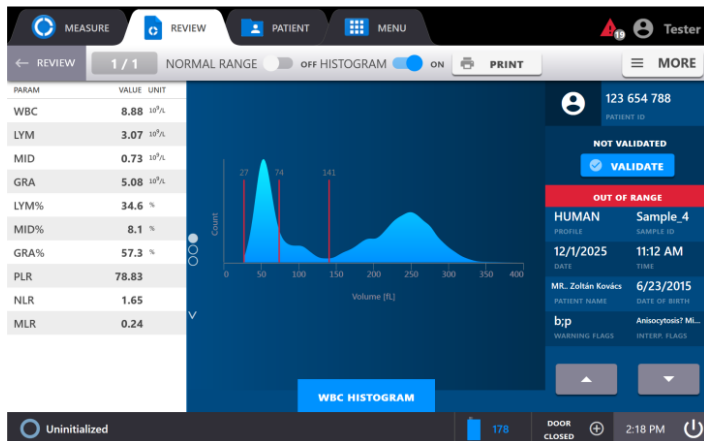


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[Diatron](#), a STRATEC brand specializing in the development, manufacturing, and marketing of hematology and clinical chemistry analyzers and related reagents for human and veterinary use, **expands** the capabilities of its Aquila, Aquarius 3, and Abacus 5 hematology analyzers with **six advanced hematological indices**.

### UNLOCK ENHANCED INSIGHTS DIRECTLY FROM ROUTINE CBC TESTS

The new RUO (Research Use Only) indices — Neutrophil-to-Lymphocyte Ratio (NLR), Platelet-to-Lymphocyte Ratio (PLR), Monocyte-to-Lymphocyte Ratio (MLR), Mentzer Index, Red Cell Distribution Width Index (RDWI), and Green & King Index — **provide laboratories with deeper insights** directly from routine Complete Blood Counts without extra costs or workflow burden.



## WHY THESE PARAMETERS MATTER

### NLR, PLR & MLR – INFLAMMATORY & IMMUNE STATUS BIOMARKERS\*

NLR, PLR, and MLR are widely described in the literature as **markers that reflect immune and inflammatory status**. In research settings, they can offer non-invasive insight into systemic inflammation, infection severity, and immune activation. They have been investigated across different research areas, including infections, cardiovascular disease, oncology, and autoimmune conditions. Published studies have reported associations between:

- Elevated NLR and outcomes such as infections, cancer prognosis, and cardiovascular risk
- PLR and pro-inflammatory or pro-thrombotic states
- MLR and chronic inflammation, such as tuberculosis and autoimmune diseases

### MENTZER INDEX, RDWI, GREEN & KING INDEX – DIFFERENTIATION OF MICROCYTIC ANEMIAS\*

The Mentzer Index, RDWI, and Green & King Index have been described in the literature as tools to support the differentiation between Iron Deficiency Anemia (IDA) and Beta-Thalassemia Trait (BTT). By combining key CBC parameters, these indices can facilitate investigations into diagnostic strategies and algorithms in hematology research.

*\*These parameters are not available in the USA*

## OPERATIONAL BENEFITS

The integration of these indices delivers meaningful operational advantages. **Avoiding manual calculation**, they are automatically calculated from existing Complete Blood Count, and they **integrate seamlessly into routine workflows** and do not require additional samples.

These indices can support retrospective and prospective studies, method comparison and validation projects, and enable exploratory research into new risk scores and algorithms.

They enhanced CBC insights **without increasing consumable usage or adding workflow steps**, while boosting laboratory and researcher awareness to **enable timely, well-informed decisions**.

These advanced RUO indices are particularly valuable in resource-limited settings, where access to specialized testing or high-cost assays may be restricted.

### SEAMLESS INTEGRATION ON DIATRON ANALYZERS

The Aquila, Aquarius 3, and Abacus 5 present these indices through intuitive software interfaces, making additional research indices instantly accessible without added complexity. With decades of expertise, **continuous innovation**, and a **global support network**, **Diatron** empowers organizations to deliver **actionable insights from routine tests**.

For more information have a look at the Diatron flyer: [diatron Flyer 2p new parameters 20260422 web\(2\).pdf](#) or contact the Marketing Team directly at [marketing@diatron.com](mailto:marketing@diatron.com).

### ABOUT DIATRON MI ZRT

Located in Budapest, Hungary, Diatron is a member of the STRATEC SE Group, Birkenfeld, Germany. It offers the complete package ranging from innovative R & D, excellence in manufacturing and reagent production plus the highest quality sales office and service support in the hematology and clinical chemistry fields. This is reflected with products present in more than 110 countries distributed through an established and dedicated distributor network. With over 50,000 analyzers in laboratory use today, Diatron has a large customer base which is continuously growing year on year.

### FURTHER INFORMATION IS AVAILABLE FROM:

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