

CHORUS  PROMonitor



eurobio bmd

EVOLUTION IN BIOLOGIC THERAPY MONITORING

High quality monotest solution
for drug and anti-drug levels determination

DIESSE

IMPORTANCE OF BIOLOGICAL DRUG MONITORING

Therapeutic drug monitoring (TDM) is defined as the assessment of drug concentrations and anti-drug antibody level in the blood and it is an important tool for optimizing biologic therapy.



BENEFITS OF TDM

Individualized treatment tailored for each patient

Personalized approach, combined with clinical findings.

Timely information about reduced drug efficacy

Early warning for modification of treatment regimen.

Effective resource management

Decrease in inadequate treatment strategies with a more efficient use of resources for the reduction of direct and indirect costs.

Improved patient care

CHORUS PROMONITOR: TDM EVOLUTION

Flexibility advantage of

CHORUS TRIO and CHORUS EVO

- Monotest
- Multiparametric solutions
- Fully automated
- Easy to use
- Reduction of waste

Best-in class performance of



- WHO standardization
- Clinically proven for patient monitoring
- IVDR certification
- Validation with reference and biosimilar drugs
- > 100 peer reviewed publications



1. It allows the clinician a better treatment management for the patient
2. It provides results a few hours after patient's visit
3. It facilitates the monitoring of intravenous and subcutaneous treatments

ADVANTAGES OF PROMONITOR ON CHORUS SYSTEMS

Empowering clinical decision

- Broad quantification range to cover **all clinically relevant points**, allowing quantification of **subcutaneous or intravenous** treatments.
- Simultaneous analysis of **two dilutions** for each sample, without the need of repeating the run for high titer samples.
- Stored calibration curve and final results in **µg/ml** for drug levels and **AU/ml** for anti-drug levels.
- Possibility to **analyse individual samples** and to obtain results within a few hours from the collection, without need of batching.

Improved efficiency and ease of use

- **Ready-to-use monotest device**
Each device contains all the reagents required to perform one test. Calibrator and control vials are ready-to-use and included in the kit. Possibility to execute simultaneously different tests in the same run.
- **Minimal hands on time**
The user just needs to insert the monotest device in the instrument and, in CHORUS TRIO, to dispense the serum. In CHORUS EVO or in AUTOSAMPLER it is possible to load the primary sample tube, directly.
- **Traceability**
CHORUS instruments are equipped with bidirectional connection with laboratory LIS. Each monotest device is identified with a barcode label, read by the instrument through its internal reader. The software cross-links barcode read-out, sample ID and scheduled tests, avoiding mismatches.



CHORUS TRIO



CHORUS EVO



Single test
ready to
use device



Random
access
system



Fully
automated
process



No waste of
reagents
No hidden costs

DIESE

Convenience

CHORUS: multiparametric platforms

- All CHORUS PROMONITOR kits can be run simultaneously (either drug or anti-drug antibodies assays).
- >150 specialties on board, with Autoimmunity and Infectious diseases tests (i.e. rheumatology, gastroenterology and fecal panels, including Calprotectin).

High Quality

- > 100 publications for Promonitor® kits.
- Broad measurement range.
- WHO standardization for CHORUS PROMONITOR INFLIXIMAB and ADALIMUMAB.
- Validation with reference and biosimilar drugs.



KITS AVAILABILITY

NAME	TESTS	CODE
CHORUS PROMONITOR INFLIXIMAB	36	86700
CHORUS PROMONITOR ANTI-INFLIXIMAB	36	86701
CHORUS PROMONITOR ADALIMUMAB	36	86702
CHORUS PROMONITOR ANTI-ADALIMUMAB	36	86703
CHORUS PROMONITOR USTEKINUMAB	36	86712
CHORUS PROMONITOR ANTI-USTEKINUMAB	36	86713
CHORUS PROMONITOR VEDOLIZUMAB	36	86710
CHORUS PROMONITOR ANTI-VEDOLIZUMAB	36	86711
CHORUS PROMONITOR ETANERCEPT	12	86706
CHORUS PROMONITOR ANTI-ETANERCEPT	12	86707
CHORUS PROMONITOR GOLIMUMAB	12	86708
CHORUS PROMONITOR ANTI-GOLIMUMAB	12	86709
CHORUS PROMONITOR RITUXIMAB		<i>under development</i>
CHORUS PROMONITOR ANTI-RITUXIMAB		<i>under development</i>

Listed kits can be used on both CHORUS TRIO and CHORUS EVO* instruments.
 *Etanercept and Golimumab couples, coming soon on CHORUS EVO.

BIBLIOGRAPHY

- Moneo, Mikel, Ruiz del Agua, Ainhoa, Ruiz-Argüello, Begoña, Rapun, Noelia, Nagore, Daniel and El Hamss, Rachid. Comparison between monotest and traditional batch-based ELISA assays for therapeutic drug monitoring of infliximab and adalimumab levels and anti-drug antibodies. Clinical Chemistry and Laboratory Medicine (CCLM), 2025.
- Cerutti H, Tesi G, Petrini F, Bandini T, Cartocci A, Ianniello A, Bogi A, Muzzi C, Brogi A. Detection of Infliximab, Adalimumab, and anti-drug antibodies: Development and validation of new monotest, automated assays on multiparametric instrument. Pract Lab Med. 2024 Feb 28;39:e00374.
- Cheli S, Savino D, Penagini F, Zuccotti G, Zuin G, Clementi E, Cattaneo D. Therapeutic Drug Monitoring of Anti-TNF α Inhibitors: A Matter of Cut-Off Ranges. Pharmaceutics. 2023; 15(7):1834.
- >100 Published scientific evidence of Promonitor in peer-reviewed journals.