Microblot-Array ANA plus



EAN Code: 8595635308086
Catalog number: ANApMA96
Package size: 96 tests
Storage: 2-8 °C
Producer: TestLine Clinical Diagnostics s.r.o.

Description

- Used antigen:
  - Group 1 (ANA): Jo-1, PL-7, PL-12, EJ, OJ, KS, YARS, ZoA, ZoB, SAE-1, SAE-2, SRP54, Mi-2, TIF1γ, MDA5, HMGCR, NXP2, PMScl 75, PMScl 100, CENP A, CENP B, Scl70, POLR3A, NOR90, PDGFR-β, Fibrillarin, Th/To, Ro52, Ro60, La, SmB, SmD, RNP A, RNP C, RNP 68/70, P0, Ku, Nucleolin, dsDNA, Histone, Nucleosome, PCNA; Supplementary antigens: M2, DFS70
  - Group 2 (Myositis): Jo-1, PL-7, PL-12, EJ, OJ, KS, YARS, ZoA, ZoB, SAE-1, SAE-2, SRP54, Mi-2, TIF1γ, MDA5, NXP2; Supplementary antigens: Ro52, PMScl 75, PMScl 100, Ku
  - Group 3 (Scleroderma): CENP A, CENP B, Scl70, POLR3A, NOR90, PDGFR-β, Fibrillarin, Th/To, PMScl 75, PMScl 100, RNP A, RNP C, RNP 68/70; Supplementary antigens: Ro52, Ku, M2
  - Group 4 (SLE and other connective tissue diseases): dsDNA, Histone, Nucleosome, PCNA, SmB, SmD, RNP A, RNP C, RNP 68/70, P0, Ku, Nucleolin, Ro52, Ro60, La, NOR90
- Antigens are applied in the form of microdots (spots) in triplets to a nitrocellulose membrane in a microtiter well format
- If specific antibodies are present in the sample, they will bind to the respective separate antigens
- The complex is labelled with Conjugate and detected through a colour reaction with Substrate (BCIP/NBT)
- The kit enables 96 tests
- Short incubation periods, total assay time: approximately 1.5 h.

- Each individual test includes control spots, which serves to check functionality and sensitivity of the sets, and also the spots for checking the presence of the conjugate
- Included positive controls enable validation of the tests
- For quantitative evaluation the wells contain calibration spots
- All reagents are supplied ready to use
- The kit may be used sequentially for smaller batches of samples (reagents are provided in sufficient quantities)
- Evaluation using Microblot-Array reader and the appropriate software

Applications

- Confirmation for ELIA or other screening tests
- Identification of individual antibodies types, differentiation of individual systemic autoimmune diseases

Brief assay procedure

- Dilute samples of serum/plasma (1:51)
- Pipette diluted samples
- Incubate at room temperature for 30 min.
- Wash 3 times for 5 min.
- Add Conjugate
- Incubate at room temperature for 30 min.
- Wash 3 times for 5 min.
- Add Substrate (BCIP/NPT)
- Incubate at room temperature for 15 min.
- Wash 2 times for 5 min. in distilled water
- Dry and evaluate test