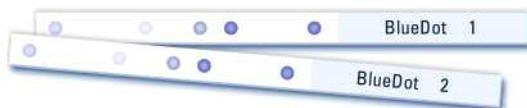




Total Control on Handling and Clinical Results





- Total Control on Handling and Clinical Results

Principle

BlueDot is a **unique immunodot** system using polyester supported nitrocellulose membrane strips coated with a comprehensive range of **highly specific antigens**. Antigen mixtures which contain a blue dye for in-process quality control are sprayed onto the membrane in "**dot**" form.

Each strip has a built-in **Positive control** for validation of correct handling.

Each strip has a built-in **Negative control** for easy and correct clinical interpretation.

Interpretation system

In the BlueDot system the sample under investigation creates an individual background reaction on the Negative Control Dot, which represents the **Cut-off value of the test**.

The patented system is **autoreactive** and **no external control is necessary**.

Positive Result : A sample is positive for a specific antibody if the colour intensity of the corresponding **Antigen Dot is higher than the intensity of the Negative Control Dot**.

Negative Result : A sample is negative for a specific antibody if the colour intensity of the corresponding **Antigen Dot is lower than or equal to the intensity of the Negative Control Dot**.

Ease of use

ALL necessary materials are provided with the kit including incubation tray and interpretation table.

- > No calibrators necessary
- > No external control necessary
- > No factor calculation for profiles
- > Polyester supported membrane
- > Visualized full antibody profile by patient

Comfortable and permanent filing by:

- > adhesive back of membrane
- > parameter name on the strips
- > numbered strips
- > interpretation table provided
- > software for interpretation available

Incubation protocol

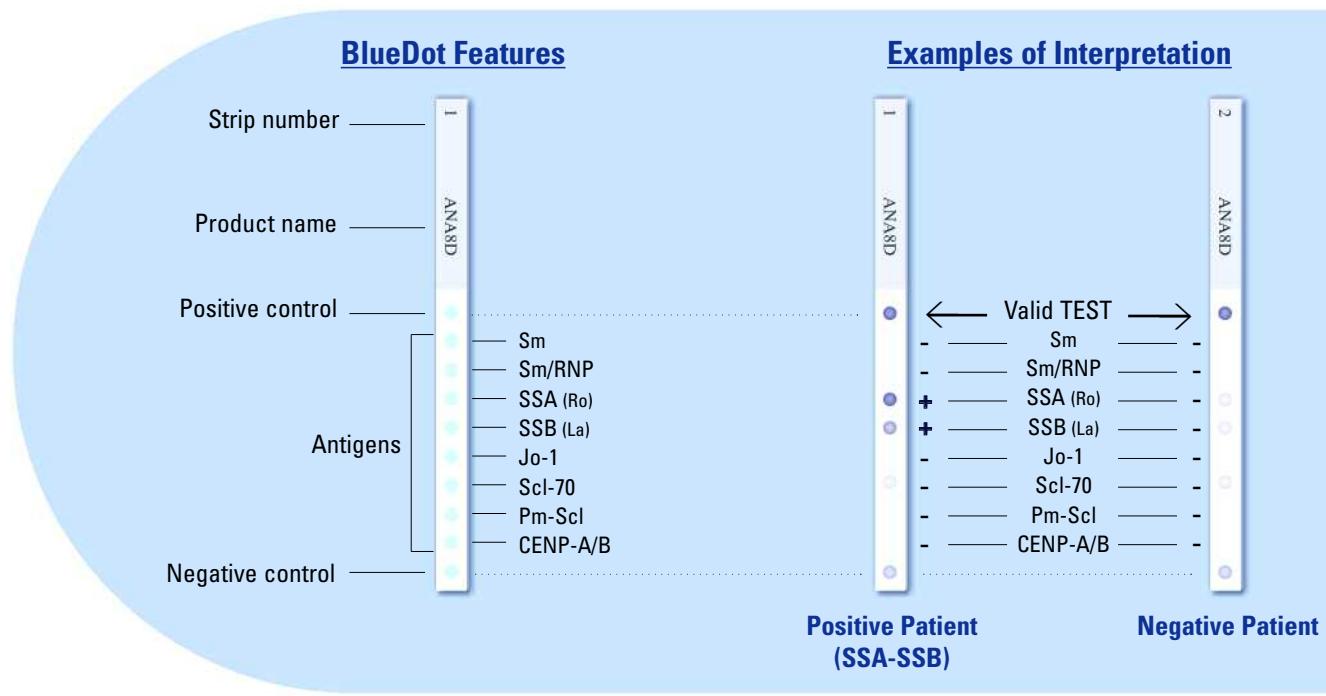
- **Place strips into the provided incubation tray**
Untreated strips out of the box display dots with a light blue indication colour.
- **Add 2 ml wash buffer to each well.**
Incubate 10 minutes and discard solution.
Upon correct equilibration the blue colour disappears on the dots.
- **Add 1.5 ml sample buffer to each well.**
- **Add 10 µl of patient sample.**
Incubate 30 minutes
- **Wash** (3 x 3 minutes)
- **Add 1.5 ml conjugate** (Alkaline Phosphatase)
Incubate 30 minutes
- **Wash** (3 x 3 minutes)
- **Add 1.5 ml substrate** (NBT/BCIP)
Incubate 10 minutes
- **Wash** (1 x 3 minutes)
- **Dry strips and read results**

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Advantages at a glance

Easy interpretation

Built-in Positive and Negative controls for each strip / patient allow easy interpretation of results.
Visualized antibody pattern for each patient allows quick clinical association.



Validation on-strip

- > Validation of operator handling and reagent quality via built-in Positive control.
- > Control of initial correct equilibration with wash buffer via colour change on the dots.
- > Elimination of wrong interpretation caused by non specific reactions or variations of temperatures or incubation times via built-in Negative control.
- Antigen-, Positive control- and Negative control- dots are influenced parallel by variations of handling, temperature or component quality.

Cost effective

- > NO calibrators or controls
- > NO ELISA reader needed
- > NO minimum of samples
- Wide range of antigen combinations available for optimum differential diagnosis (see last page for detail and ordering information).

●
One patient

●
One strip

●
Multiple antigens

Connective Tissue Diseases		CODE
BlueDot ANA¹² Screen	IgG - Sm • RNP (68kD/A/C) • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70 • PM-Scl • Ku • CENP-A/B • PCNA • Mi-2	ANA12SD-24
BlueDot ANA¹²	IgG - Sm • RNP (68kD/A/C) • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70 • PM-Scl • Ku • CENP-A/B • PCNA • Ribosome P0	ANA12D-24
BlueDot ANA¹⁰	IgG - Sm • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70 • PM-Scl • Ku • CENP-A/B • PCNA	ANA10D-24
BlueDot ANA⁸	IgG - Sm • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70 • PM-Scl • CENP-A/B	ANA8D-24
BlueDot APS	IgG - Cardiolipin/β2-GPI complex • β2-GPI	APSGD-24
BlueDot Connectivitis¹⁰	IgG - Nucleosome • dsDNA • Histones • Sm • Sm/RNP • SSA (Ro) • TRIM21 • SSB (La) • Jo-1 • Scl-70	CT10D-24
BlueDot Connectivitis	IgG - Nucleosome • Histones • Sm • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70	CTD-24
BlueDot Cytoplasm⁶	IgG - M2/nPDC • Jo-1 • PL-7 • PL-12 • SRP • Ribosome P0	CY6D-24
BlueDot ENA⁶	IgG - Sm • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70	ENAD-24
BlueDot ENA^{+Nucleosome}	IgG - Nucleosome • Sm • Sm/RNP • SSA (Ro) • SSB (La) • Jo-1 • Scl-70	NUENAD-24
BlueDot Lupus	IgG - Nucleosome • Histones • Sm • Ribosome P0	LUD-24
BlueDot Nucleosome	IgG - Nucleosome	NUD-24
BlueDot Nucleosome / Histones	IgG - Nucleosome • Histones	NUHISD-24
BlueDot Polymyositis / Scleroderma⁸	IgG - Jo-1 • PL-7 • PL-12 • SRP • Mi-2 • Ku • PM-Scl • Scl-70	PMS8D-24

Vasculitis and Goodpasture Syndrome		CODE
BlueDot ANCA²	IgG - MPO • PR3	ANCAD-24
BlueDot ANCA^{+GBM}	IgG - MPO • PR3 • GBM	ANCAGD-24
BlueDot GBM	IgG - GBM	GBD-24

Autoimmune Liver Diseases		CODE
BlueDot Liver¹⁰	IgG - M2/nPDC • M2/OGDC-E2 • M2/BCOADC-E2 • M2/PDC-E2 • gp210 • sp100 • LKM1 • LC1 • SLA • f-actin	LI10D-24
BlueDot Liver⁷	IgG - M2/nPDC • gp210 • sp100 • LKM1 • LC1 • SLA • f-actin	LI7D-24
BlueDot Liver⁵	IgG - M2/nPDC • LKM1 • LC1 • SLA • f-actin	LISD-24
BlueDot Liver⁴	IgG - M2/nPDC • LKM1 • LC1 • SLA	LI4D-24
BlueDot Mitochondria⁴	IgG + IgM - M2/nPDC • M2/OGDC-E2 • M2/BCOADC-E2 • M2/PDC-E2	MI4D-24
BlueDot Mitochondria²	IgG + IgM - M2/nPDC • M2 (OGDC-E2, BCOADC-E2, PDC-E2) recombinant	MI2D-24

Gastrointestinal Diseases and Food Intolerance		CODE
BlueDot ASCA	IgG + IgA - <i>Saccharomyces cerevisiae</i>	ASCCD-24
BlueDot Gastritis	IgG - Intrinsic Factor • Parietal Cell (H ⁺ /K ⁺ ATPase)	IFPCAD-24
BlueDot Intrinsic Factor	IgG - Intrinsic Factor	IFD-24
BlueDot Milk Intolerance	IgG - β-lactoglobulin (cow's milk) • Soya	BSD-24

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