

SUBSTRATES



QUICK GUIDE

**Individual solutions
for individual
assay conditions**

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We are your partner for:
ready-to-use substrates
protein stabilizers
antibody production
customized research
in vitro diagnostics

Yeramun
Diagnostica GmbH



Certified Quality
EN ISO 13485

Substrate Products

BENEFITS

- Ready-to-use solutions
- Shelf life up to 48 months
- High absorbance yield
- Adjustable activity
- Stable reaction products
- Excellent lot-to-lot consistency

Packaging sizes: 100ml, 250ml, 1l, 5l, 10l.

Other sizes are available on request.

⁽¹⁾ Colour of solutions can be adapted on request.



| Marker enzyme | Product name Product code | Application | Reaction time | Incubation temperature | Reaction stop | Reading | Shelf life |
|---------------------------------------|----------------------------------|---|---------------|------------------------|---|---|------------|
| Seramun Substrates for HRP-Conjugates | SeramunBlau® | | | | | | |
| | fast2 S-100-TMB | ELISA manual processing | up to 15 min | 20 – 25°C | 0.25 M sulphuric acid | 450 nm | 36 months |
| | slow2 S-101-TMB | ELISA manual processing | 15 – 30 min | 20 – 25°C | 0.25 M sulphuric acid | 450 nm | 36 months |
| | automat fast S-027-TMB | ELISA automatic processing | up to 15 min | 20 – 25°C | 0.25 M sulphuric acid | 450 nm | 36 months |
| | automat slow S-028-TMB | ELISA automatic processing | 15 – 30 min | 20 – 25°C | 0.25 M sulphuric acid | 450 nm | 36 months |
| | warm S-010-TMB | ELISA manual or automatic processing | 30 min | 37°C | 0.25 M sulphuric acid | 450 nm | 36 months |
| | prec S-002-TMB | Blot / Dot / Line on membranes | up to 15 min | 20 – 25°C | water or buffer after substrate removal | visual or by scanner | 36 months |
| | spot S-709-TMB | Arrays on glass or plastic | up to 15 min | 20 – 25°C | water or buffer after substrate removal | visual or by scanner | 24 months |
| | spot dark S-710-TMB | Microarrays on glass or plastic | up to 10 min | 20 – 25°C | water or buffer after substrate removal | visual or by scanner | 24 months |
| | SeramunGrün® | | | | | | |
| | chip S-011-ODI | Arrays on membranes on glass or plastic | up to 15 min | 20 – 25°C | water or buffer after substrate removal | visual or by scanner or red laser light | 6 months |
| | spot S-711-ODI | Arrays on glass or plastic | up to 15 min | 20 – 25°C | water or buffer after substrate removal | visual with by scanner with red laser light | 6 months |
| Substrates for AP-Conjugates | SeramunLux® | | | | | | |
| | active S-5XX-LUMAB | CLIA / Blot / Line different activities available | individual | 20 – 37°C | not necessary | luminescence film / digicam | 24 months |
| | SeramunGelb® | | | | | | |
| | fast S-005-pNPP | ELISA manual processing | 15 – 30 min | 20 – 37°C | SeramunGelb® stop2 | 405 nm | 12 months |
| | medium S-016-pNPP | ELISA automatic processing | 30 min | 20 – 37°C | SeramunGelb® stop2 | 405 nm | 24 months |
| | slow S-006-pNPP | ELISA automatic processing | 30 min | 20 – 37°C | SeramunGelb® stop2 | 405 nm | 24 months |
| | extraslow S-026-pNPP | ELISA automatic processing low background | 30 min | 20 – 37°C | SeramunGelb® stop2 | 405 nm | 36 months |
| | SeramunPurple® | | | | | | |
| | prec S-008-BCIP | Blot / Dot / Line on membranes | 10 – 30 min | 20 – 25°C | water or buffer after substrate removal | visual or by scanner | 36 months |

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| Test Method ELISA | | | Test Method BLOT DOT CHIP | | | | | | BLOT CLIA |
|--|-------------------------------------|---------------------------------------|--|----------------------------------|--|-----------------------------|--|------------------------------------|-------------------------------|
| Marker Enzyme HRP | | Marker Enzyme AP | Marker Enzyme HRP | | Marker Enzyme AP | Marker Enzyme HRP | | Marker Enzyme HRP | |
| Incubation Temperature 20 – 25°C | | Incubation Temperature 37°C | Incubation Temperature 20 – 37°C | | Incubation Temperature 20 – 25°C | | Incubation Temperature 20 – 37°C | | |
| Reaction Time up to 15 min | Reaction Time 15 – 30 min | Reaction Time ≥ 30 min | Reaction Time 15 – 30 min | Reaction Time ≥ 30 min | Reaction Time up to 15 min | | Reaction Time 10 – 30 min | Reaction Time individual | |
| SeramunBlau® fast2 | SeramunBlau® slow2 | SeramunBlau® warm | SeramunGelb® fast | SeramunGelb® medium | SeramunBlau® prec | SeramunBlau® spot | SeramunBlau® spot dark | SeramunGrün® chip | SeramunGrün® spot |
| S-100-TMB | S-101-TMB | S-010-TMB | S-005-pNPP | S-016-pNPP | S-002-TMB | S-709-TMB | S-710-TMB | S-011-ODI | S-711-ODI |
| SeramunBlau® automat fast | SeramunBlau® automat slow | | | SeramunGelb® slow | | | | | SeramunPurple® prec |
| S-027-TMB | S-028-TMB | | | S-006-pNPP | | | | | S-008-BCIP |
| | | | | SeramunGelb® extraslow | | | | | S-5XX-LUMAB |
| | | | | S-026-pNPP | | | | | |

The scheme provides a guideline for initial setup experiments.
In order to select the appropriate substrates for
your application we recommend to try different reagents.