



Serazym[®] Stool ELISA

Enterodiagnostic ELISA - Seramun Product Range

The *Serazym[®]* product range comprises ELISA tests for the **detection of different viral, bacterial and parasitical antigens** in faecal specimen. Using this product range offers you an extremely easy and cost effective laboratory routine, based on identical procedures and general components.

Features of the *Serazym[®]* Product Range

- Reliable results based on excellent performance data
- General dilution buffer (except Verotoxin)
- Big packs/kits for use on automatic devices available
- Special DSX rack available
- Color coded wells and reagents
- Code on vial caps simplifies allocation
- Peelable label for the wash buffer

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Automation

Nowadays, laboratories need a flexible automation for the routine testing of samples. The **DSX automatic device**, manufactured by Dynex, suits perfectly for an optimized procedure of the *Serazym*® tests in the laboratory organisation.

Seramun turns its special attention to customers working with automatic devices by offering the „*Serazym*® automation kits“. All general components such as buffers, substrate- and stop solution are available as separate reagents if required.



OVERVIEW ON PARAMETERS AND PERFORMANCE DATA

BACTERIA

Product	Sample Type	Detection Limit	Sensitivity	Specificity
Serazym ® Campylobacter ELISA	Faecal specimens and culture suspensions	<i>C. jejuni</i> : 2x10 ⁴ CFU/ml <i>C. coli</i> : 1x10 ⁶ CFU/ml	99.3 %	99.2 %
Serazym ® Clostridium difficile GDH ELISA	Faecal specimens	10 ng/ml	98.1 %	98.3 %
Serazym ® Clostridium difficile Toxin A&B ELISA	Faecal specimens and culture suspensions	Toxin A <2 ng/ml Toxin B < 12 ng/m	98.0 %	91.8 %
Serazym ® H. pylori 2nd Gen. ELISA (Mab)	Faecal specimens	<31,3 ng/ml	99.3 %	97.7 %
Serazym ® Verotoxin 1+2 ELISA	Faecal specimens and faecal culture supernatants	<100 pg/ml Vt 1 <100 pg/ml Vt 2	84.6 %	98.8 %

OVERVIEW ON PARAMETERS AND PERFORMANCE DATA

VIRUSES

Product	Sample Type	Detection Limit	Sensitivity	Specificity
Serazym® Norovirus ELISA (Genotype I & II)	Faecal specimens	<10 ng/ml	92.6 %	100 %
Serazym® Rotavirus ELISA (Group A)	Faecal specimens	<10 ng/ml	98.4 %	> 99.9 %
Serazym® Adenovirus ELISA	Faecal specimens	6 ng/ml	96.5 %	99.6 %
Serazym® Astrovirus ELISA	Faecal specimens	6 ng/ml	96.0 %	> 99.9 %

PARASITES

Product	Sample Type	Detection Limit	Sensitivity	Specificity
Serazym® Giardia ELISA	Faecal specimens	Cysts: 1,6x10 ³ /ml faecal spec. Trophozoites: 6,3x10 ⁴ /ml faecal spec.	96.8 - 100 %	100 %
Serazym® Entamoeba histolytica ELISA	Faecal specimens	Trophozoites E.h: <150 Trophozoites/ml E. dispar: no detection up to concentrations of 3,9 CFUx10 ⁵ /m	100 %	81.8 % - 94.7 %
Serazym® Cryptosporidium parvum ELISA	Faecal specimens	Oocysts: 1,6x10 ⁵ /ml faecal spec.	96.9 - 100 %	100 %

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The Serazym® Pre-Analytcs!

Product	Order No.	Shelf-Life: Antigen in Stool	Shelf-life: Diluted Stool specimen	Dilutions with sample dilution buffer (SDB)
Serazym® Campylobacter	HW/E-093 HW/E-093-A2*	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6) or 2-4 inoculation loops with colony material in 1ml SDB
Serazym® C. difficile GDH	HW/E-107 HW/E-107-A2*	72h at 2-8°C or longer at least at -20°C. Preferably only one frost/defrost cycle	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6)
Serazym® C. difficile Toxin A&B	HW/E-040 HW/E-040-A2*	72h at 2-8°C or longer at least at -20°C. Preferably only one frost/defrost cycle	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6) or 2-4 inoculation loops with colony material in 1ml SDB
Serazym® H. pylori 2nd Gen.	HW/E-114-A**	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Verotoxin 1+2	HW/E-030 HW/E-030-A2*	Use for bouillon- enrichment within 1-2h after receipt. Broth cultures in SDB 24 h at 2-8 °C . Direct use of stool specimen: 72h at 2-8°C or longer at least at -20°C	Overnight at 2-8°C	Use Culture Supernatant 1:2 Direct use of stool: 200 µl or 0.2 g in 0.5 ml SDB ***
Serazym® Norovirus	HW/E-061 HW/E-061-A2*	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Rotavirus	HW/E-020 HW/E-020-A2*	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.1g or 100µl in 1ml SDB (1:11) or 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Adenovirus	HW/E-017 HW/E-017-A2*	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.1g or 100µl in 1ml SDB (1:11) or 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Astrovirus	HW/E-045 HW/E-045-A2*	72 hours at 2-8°C or longer at -20°C	48 hours at 2-8°C	Suspend 0.1g or 100µl in 1ml SDB (1:11) or 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Giardia	HW/E-106-A**	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Entamoeba histolytica	HW/E-018-A**	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6)
Serazym® Cryptosporidium parvum	HW/E-039-A**	72 hours at 2-8°C or longer at -20°C	72 hours at 2-8°C	Suspend 0.2g or 200µl in 1ml SDB (1:6)

* Kit for automation includes two plates

** Kit for manual or automation with one plate

***Sample dilution buffer specific for Serazym® Verotoxin 1+2

Manufacturer:

Seramun Diagnostica GmbH

