

RIDA® RF-Absorbens

REF Z0202



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1. Intended use

For *in vitro* diagnostic use. RIDA® RF-Absorbens is used for the pre-absorption of IgG antibodies in human serum (or plasma) in all serological RIDASCREEN® IgM ELISA tests.

Please also bear in mind the specific uses of RIDA® RF-Absorbens noted in the respective instructions for use for RIDASCREEN® IgM.

2. Summary and explanation of the test

Compared to IgM antibodies, IgG antibodies predominate over the course of a long-term infection. For this reason, IgG antibodies can have a negative effect on IgM detection by blocking the specific binding sites. A test for IgM can have a false negative result.

Rheumatoid factors can, in contrast, have a false positive effect on IgM detection. Rheumatoid factors are usually antibodies of the IgM class (IgM-RF) directed against the constant region (Fc) of IgG antibodies. After IgG antibodies bind specifically to the test antigen, IgM-RF binds to its Fc region. Added anti-human IgM conjugate would then act like a positive IgM result by binding to the rheumatoid factors. For correct determination of IgM antibodies, absorption of IgG antibodies is therefore recommended.

3. Test principle

RIDA® RF-Absorbens forms immune complexes with human IgG antibodies. This prevents the antibodies from influencing the immunological test procedure.

4. Reagents provided

Table 1: Reagents provided

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Absorbent	10 ml	RIDA® RF-Absorbens, ready for use; anti-human IgG serum, contains < 0.1 % sodium azide	X

5. Storage instructions

- RIDA® RF-Absorbens must be stored at 2 °C to 8 °C and can be used until the expiration date printed on the label.
- Prior to use, RIDA® RF-Absorbens should be brought to room temperature (20 - 25 °C).
- Microbial contamination must be prevented.
- After the expiration date, the quality guarantee is no longer valid.

Table 2: Shelf life

Material	Format	Storage	Shelf life
RIDA® RF-Absorbens	undiluted, after opening	+2 to +8 °C	4 weeks
	diluted	+2 to +8 °C	1 week

6. Additional necessary reagents and required equipment

- Specimen vials
- Vortex mixer
- Graduated cylinder
- Micropipettes for volumes of 10 - 100 µl and 100 - 1000 µl

7. Warnings and precautions for the users

RF-Absorbens contains sodium azide as a preservative. This substance must not be allowed to come into contact with skin or mucous membranes. Contact with lead or copper pipes may cause the formation of explosive metal azides.

All reagents and materials coming into contact with potentially infectious specimens must be treated with suitable disinfectants or autoclaved at 121 °C for at least one hour.

The reagent must not be used if the bottle is damaged or has a leak.

8. Test procedure

RIDA® RF-Absorbens must be used only by trained laboratory personnel. Observe the guidelines for working in medical laboratories. Always adhere strictly to the user instructions for carrying out this test.

Prior to use, bring RIDA® RF-Absorbens to room temperature (20 - 25 °C). Mix the absorbens well immediately before use.

Adding RIDA® RF-Absorbens to the sample diluent of RIDASCREEN® ELISA in a ratio of 1:10 yields a ready-to-use absorption buffer for determining IgM:

1 ml Absorbent + 9 ml buffer = 10 ml absorption buffer

The absorption buffer can be stored for up to one week at 2 °C to 8 °C. The specimens are diluted with buffer as specified in the instructions for use of the respective RIDASCREEN® IgM or IgA tests. For complete absorption, the specimen must be incubated for 15 minutes at room temperature (20 - 25°C) prior to dilution. The following procedure is recommended for a 1:100 dilution of the specimens:

10 µl specimen + 990 µl absorption buffer

Important:

Do not use the absorption buffer to dilute specimens for determining IgG!










9. Version history

Table 3: Version history

Version number	Chapter and description
2017-06-23	Correction of article number, and correction under "Dilution" (German version)
2019-07-01	General revision
2019-11-07	Intended use revision

10. Explanation of symbols

General symbols

	For in vitro diagnostic use
	Consult instructions for use
	Lot number
	Use before
	Store at
	Article number
	Number of tests
	Date of manufacture
	Manufacturer

Test-specific symbols

	RIDA® RF-Absorbens
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