Intended use
LAL Control is designed to be used as quality control material for the quantitative determination of \((1 \rightarrow 3)\beta-D\)-glucan in serum or plasma. Use the reagents with the \(\beta\)-Glucan Test.

Reagents and ingredients
1) R1: LAL Control (lyophilized) for 0.5 mL x 10 vials (Lentinan, human serum)
2) R2: Control Dissolution Buffer 2 mL x 10 bottles
3) Accessory: Assigned values card, cap opener

Determination of assigned values
Assigned value: See assigned values card
Determination: The \((1 \rightarrow 3)\beta-D\)-glucan concentration is determined by measuring a control with the \(\beta\)-Glucan Test reagent and the Wako 1st \(\beta\)-Glucan standard. The Wako 1st \(\beta\)-Glucan standard was prepared using Lentinan.

Reagents preparation
1) Use cap opener to open R1: LAL Control by twisting it slowly to an angle of 30–40 degrees in order to remove the aluminum seal and rubber cap. Cover the tube with Aluminum Cap.
2) Remove the seal of the R2: Control Dissolution Buffer. Add 0.5 mL of the R2: Control Dissolution Buffer to the R1: LAL Control.
3) Leave it for 3 to 5 minutes and then mix it by vortex mixer for 1 minute.
4) Leave it for 15 minutes or more.
5) Pretreat and measure it within 1 hour as positive control.
6) Use the R2: Control Dissolution Buffer as negative control without R1: Pretreatment Solution.
7) Use positive control with R1: Pretreatment Solution and R2: LAL Reagent like a sample.

Warning and precautions
- For in vitro diagnostic use.
- The usage and application of these controls is reserved for professional use only. Please refer to respective national and local regulations and legislation.
- Not to be used internally in humans and animals.
- The R1: LAL Control contains materials of human origin. The materials have been tested and found negative for HBsAg, anti-HIV-1/HIV-2 antibodies, and anti-HCV antibody. Since the risk of infection cannot be excluded with certainty, the products must be handled as potentially biohazardous like patients’ sera.

<Precautions for procedure>
- Do not use the reagents in any procedures and purposes other than those described herein.
- Store the reagents under the specified conditions. Do not use reagents after the expiration date stated on each reagent container label.
- After opening the reagent, it is recommended to use it immediately, do not store it.
- Equipment must not be contaminated with \((1 \rightarrow 3)\beta-D\)-glucan.
- Avoid contamination by \((1 \rightarrow 3)\beta-D\)-glucan during assay operation.
- Do not use the containers or other materials in the kit for any purpose other than those described herein.
- Do not reuse the tip when the control is added to R1: Pretreatment Solution.

<Precautions for protection from hazards>
- If the reagents come in contact with the mouth, eyes, or skin, wash off immediately with a large amount of water. Consult a physician if necessary.
- In the case of using a glass pipette, do not pipette by mouth, but use a safety pipette.
- Be careful not to cut yourself with the aluminum seal when removing it from the vial.

<Precautions for disposal>
- When discarding the reagents, dispose of them according to local or national regulations.
- All the devices including reagents and reagent bottles that come in contact with specimens should be considered potentially infectious.

Storage condition
Product Storage condition
LAL Control Store between 2–10 °C

Ordering information
<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>993-04201</td>
<td>(\beta)-Glucan Test R1: Pretreatment Solution</td>
<td>50 x 0.9 mL</td>
</tr>
<tr>
<td>997-04101</td>
<td>(\beta)-Glucan Test R2: LAL Reagent</td>
<td>50 x 0.2 mL</td>
</tr>
</tbody>
</table>
| 995-04401 | LAL Control  
R1: LAL Control (lyophilized)  
R2: Control Dissolution Buffer | 10 x for 0.5 mL  
10 x 2 mL |
| 999-04301 | \(\beta\)-Glucan Sample Diluent | 10 x 0.9 mL |
| 995-04901 | Aluminum Cap | 10 x 10 unit |
| 995-05001 | BC Tip EXT | 100 tips |
| 991-05101 | BC Tip 1000-R | 100 tips |
| 993-04701 | Toxinometer MT-6500 | 1 unit |
| 999-04801 | MT-6500 Extension Module | 1 unit |
| 989-03601 | Thermostation TS-7016 | 1 unit |
| 999-04901 | LIMUSAVE MT-7500* | 1 unit |
| 999-04801 | LIMUSAVE MT-7500 Extension Module* | 1 unit |
| 999-04801 | LIMUSAVE MT-7500 THERMOSTATION TS-70120* | 1 unit |

*Manufacturer: FUJIFILM Corporation

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