

LPS from *Salmonella* *abortus equi* S-form (TLRGRADE[®]) (Ready-to-Use)

TLR4 activat

Citations: 33

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Ordering Information

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| | |
|------------------|-----|
| ALX-581-009-L001 | 1ml |
| ALX-581-009-L002 | 2ml |

Manuals, SDS & CofA

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Handling & Storage

| | |
|--------------------------|---|
| Use/Stability | As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at +4°C. |
| Handling | Do not ingest. Wear gloves and mask when handling this product! Avoid contact through all modes of exposure. LPS compounds are highly pyrogenic. Avoid accidental injection; extreme care should be taken when handling in conjunction with hypodermic syringes. Use must be restricted to qualified personnel. Keep sterile. |
| Long Term Storage | +4°C |
| Shipping | Ambient Temperature |

Regulatory Status

RUO - Research Use Only

Product Details

| | |
|-------------------------|---|
| Activity | Strong activator of Toll-like receptor (TLR) 4. Does not activate TLR2 or other TLRs as determined with splenocytes and macrophages from TLR4 deficient mice. No further re-extraction required. Smooth (S)-form LPS are commonly the preferred choice for whole animal studies, whereas Rough (R)-form LPS are primarily used in cellular in vitro activation studies. |
| Alternative Name | Lipopolysaccharide from <i>Salmonella abortus equi</i> S-form |
| Couple Target | TLR, TLR4 |
| Couple Type | Activator, Ligand |
| Formulation | Liquid. Sterile, <i>ready-to-use</i> solution in pyrogen-free double distilled water. |
| Purity | Absence of detectable protein or DNA contaminants with agonistic TLR activity. |
| Source | Smooth (S)-form LPS, isolated and purified from <i>Salmonella abortus equi</i> by modification of the phenol water extraction and PCP method, converted to the uniform salt form and dissolved in pyrogen-free double distilled water. |

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