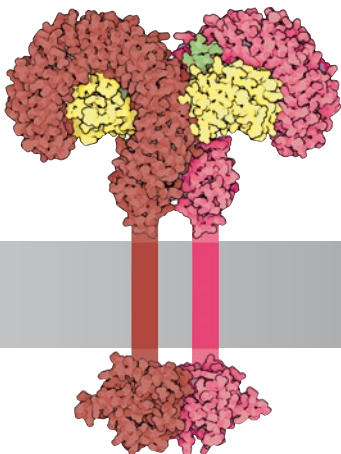


Innate Immunity to Life!



The TLR4/LPS Experts – Highest Quality

- TLRpure™: Qualified Purity & Activity
- High potency TLR4-specific ligands
- Ultrapure (no detectable protein, RNA & DNA)
- Tested on TLR4 KO murine macrophages
- Standardized aqueous sterile solutions
- Ready-to-use Lipid A and MPLA solutions
- No purification or hazardous solubilization
- BULK available for *in vivo* studies
- Excellent lot-to-lot reproducibility
- Broadest LPS chemotype and serotype selection
- Unique TLR4 Explorer Sets™
- More than 40 years of experience in LPS purification & characterisation

The ODN Experts – Competitive Prices

- Endotoxin-free and sterile
- Potent TLR9 ligands
- Tested on TLR9 KO murine macrophages
- BULK available for *in vivo* studies
- ddWater Endotoxin-free (sterile) included
- Unique TLR9 Explorer Sets™
- Inhibitory ODNs (iODNs) available
- Negative ODN Controls available

IAXO Compounds – Unique!

- Novel small molecule CD14/TLR4 antagonists
- Potent pre-clinical *in vivo* activity
- Inactive control compounds available

innaxon develops and manufactures defined “Immunoceuticals” of the highest activity and purity for pre-clinical research and development applications for vaccine adjuvants and immunotherapy. Our unique biological and synthetic Toll-like Receptor (TLR) ligands are well-characterized and effective biological response modifiers of inappropriate or disproportionate immune responses.

Standard LPS and ODN Reagents

LPS (Universal) from *S. abortus equi* (S-form) TLRpure™ Sterile Solution

IAX-100-009 500 µg | 1 mg | 5 x 1 mg

LPS from *E. coli* R515 (Re) TLRpure™ Sterile Solution

IAX-100-007 500 µg | 1 mg | 5 x 1 mg

LPS from *S. minnesota* R595 (Re) TLRpure™ Sterile Solution

IAX-100-008 500 µg | 1 mg | 5 x 1 mg

MPLA from *S. minnesota* R595 (Re) TLRpure™ Sterile Solution

IAX-100-002 250 µg | 500 µg | 1 mg

ODN 1826 (Type B) Endotoxin-free (sterile)

IAX-200-002 100 µg | 1 mg

ODN 2216 (Type A) Endotoxin-free (sterile)

IAX-200-005 100 µg | 1 mg

iODN (inhibitory ODN) 2088 Endotoxin-free (sterile)

IAX-200-050 100 µg | 1 mg

IAXO Compounds

IAXO-101 (CD14/TLR4 Antagonist) (synthetic)

IAX-600-001 1 mg | 5 mg

IAXO-102 (CD14/TLR4 Antagonist) (synthetic)

IAX-600-002 1 mg | 5 mg

IAXO-103 (CD14/TLR4 Antagonist) (synthetic)

IAX-600-003 1 mg | 5 mg

Lipopolysaccharides (LPS)

S-form LPS

	Prod. No.	Size
LPS from E. coli O8:K27 (S-form) TLRpure™ Sterile Solution	IAX-100-006	500 µg 1 mg 5 x 1 mg
LPS from E. coli O111:B4 (S-form) TLRpure™ Sterile Solution	IAX-100-012	500 µg 1 mg 5 x 1 mg
LPS from E. coli O55:B5 (S-form) TLRpure™ Sterile Solution	IAX-100-013	500 µg 1 mg 5 x 1 mg
LPS from S. enteritidis (S-form) TLRpure™ Sterile Solution	IAX-100-019	500 µg 1 mg 5 x 1 mg
LPS from S. minnesota (S-form) TLRpure™ Sterile Solution	IAX-100-020	500 µg 1 mg 5 x 1 mg
LPS from S. typhimurium (S-form) TLRpure™ Sterile Solution	IAX-100-011	500 µg 1 mg 5 x 1 mg

R-form LPS

LPS from E. coli EH100 (Ra) TLRpure™ Sterile Solution	IAX-100-010	500 µg 1 mg 5 x 1 mg
LPS from E. coli J5 (Rc) TLRpure™ Sterile Solution	IAX-100-014	500 µg 1 mg 5 x 1 mg
LPS from S. minnesota R345 (Rb) TLRpure™ Sterile Solution	IAX-100-015	500 µg 1 mg 5 x 1 mg
LPS from S. minnesota R60 (Ra) TLRpure™ Sterile Solution	IAX-100-016	500 µg 1 mg
LPS from S. minnesota R5 (Rc) TLRpure™ Sterile Solution	IAX-100-017	500 µg 1 mg 5 x 1 mg
LPS from S. minnesota R7 (Rd1) TLRpure™ Sterile Solution	IAX-100-018	500 µg 1 mg 5 x 1 mg
LPS from S. minnesota R3 (Rd2) TLRpure™ Sterile Solution	IAX-100-021	500 µg 1 mg 5 x 1 mg

Lipid A und MPLA

Lipid A from E. coli R515 (Re) TLRpure™ Sterile Solution	IAX-100-004	250 µg 500 µg 1 mg
Lipid A from S. minnesota R595 (Re) TLRpure™ Sterile Solution	IAX-100-001	250 µg 500 µg 1 mg
MPLA from E. coli R515 (Re) TLRpure™ Sterile Solution	IAX-100-003	250 µg 500 µg 1 mg

Endotoxin-free Oligonucleotides (ODN)

ODN 1585 (Type A) Endotoxin-free (sterile)	IAX-200-003	100 µg 1 mg
ODN 1668 (Type B) Endotoxin-free (sterile)	IAX-200-001	100 µg 1 mg
ODN 2006 (Type B) Endotoxin-free (sterile)	IAX-200-006	100 µg 1 mg
ODN 2395 (Type C) Endotoxin-free (sterile)	IAX-200-007	100 µg 1 mg
ODN M362 (Type C) Endotoxin-free (sterile)	IAX-200-004	100 µg 1 mg
iODN (inhibitory ODN) (ttaggg) ₄ Endotoxin-free (sterile)	IAX-200-051	100 µg 1 mg
G-type iODN (inhibitory ODN) Endotoxin-free (sterile)	IAX-200-052	100 µg 1 mg
Mini-iODN (inhibitory ODN) Endotoxin-free (sterile)	IAX-200-053	100 µg 1 mg
Mega-iODN (inhibitory ODN) Endotoxin-free (sterile)	IAX-200-054	100 µg 1 mg
Duo-iODN (inhibitory ODN) Endotoxin-free (sterile)	IAX-200-055	100 µg 1 mg

All ODNs include 1 vial of ddWater (endotoxin-free) (sterile) (IAX-900-002).

Negative ODN Controls also available.

Endotoxin-free Immunocuticals

Poly(I:C) Endotoxin-free (sterile)	IAX-200-021	2 mg 5 mg 10 mg
Trehalose 6,6'-dimycolate (TDM) [Cord Factor] Endotoxin-free (sterile)	IAX-200-101	1 mg
Hyaluronic Acid Oligosaccharides (<1.5kDa) Endotoxin-free Sterile Solution	IAX-200-102	250 µg
Hyaluronic Acid Oligosaccharides (1.5-3.0kDa) Endotoxin-free Sterile Solution	IAX-200-103	250 µg

Explorer Sets™

TLR4 Agonist (Salmonella) Explorer Set I TLRpure™ (S-LPS, R-LPS, MPLA)	IAX-300-001	1 Set
TLR4 Agonist (Salmonella) Explorer Set II TLRpure™ (S-LPS, R-LPS, Lipid A, MPLA)	IAX-300-002	1 Set
TLR4 Agonist (E. coli) Explorer Set I TLRpure™ (S-LPS, R-LPS, MPLA)	IAX-300-003	1 Set
TLR4 Agonist (E. coli) Explorer Set II TLRpure™ (S-LPS, R-LPS, Lipid A, MPLA)	IAX-300-004	1 Set
iODN (inhibitory ODN) Explorer Set I Endotoxin-free (4 class I iODNs + Control ODN)	IAX-300-005	1 Set
iODN (inhibitory ODN) Explorer Set II Endotoxin-free (6 class I / II iODNs + Control ODN)	IAX-300-006	1 Set
TLR9 Agonist (human) Explorer Set Endotoxin-free (CpG ODN Type A, B and C)	IAX-300-007	1 Set
TLR9 Agonist (mouse) Explorer Set Endotoxin-free (CpG ODN Type A, B and C)	IAX-300-008	1 Set



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