Agrisera

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product AS11 1654

DON | Deoxynivalenol, Serum (0.1 ml)

product information

Background	**Deoxynivalenol (DON)** is a mycotoxin occuring in grains such as barley, maize, oats, rye, and wheat. It occurs less often in rice, sorghum, and triticale. The plant pathogens *Fusarium graminearu*m (*Gibberella zeae*) and *F. culmorum*, which are causing *Gibberella* ear rot in maize and *Fusarium* head blight in wheat, are associated with the occurence of Deoxynivalenol. DON is a type B trichothecene, an epoxy-sesquiterpeneoid. Alternative name: Vomitoxin.
Immunogen	BSA-conjugated deoxynivalenol
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Liquid
Quantity	0.1 ml
Storage	Store at 4°C up to one month or in aliquots at -20°C for long time storage. Avoid repeated freezing and thawing.
Tested applications	Dot blot (Dot), ELISA (ELISA)
Related products	AS11 1686 | Anti-DON | deoxynivalenol (1 ml serum) AS11 1711 | Anti-DON | deoxynivalenol (0.2 mg total IgG) AS11 1675 | Anti-DON | deoxynivalenol (1 mg total IgG) Secondary antibodies
Additional information	Antibodies are present in phosphate buffered saline, pH 7.2, 0.05% sodium azide as preservative.

Application information

Recommended dilution	1: 250 (Dot)
Confirmed reactivity	*Fusarium* sp.
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Selected references	Ivanova et al. (2017). Role of P-glycoprotein in deoxynivalenol-mediated in vitro toxicity. Toxicol Lett. 2017 Nov 23;284:21-28. doi: 10.1016/j.toxlet.2017.11.021.