



Fentanyl [HRP] (DAG1122)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Fentanyl, HRP conjugate
Antigen Description	Fentanyl was first synthesized in Belgium in the late 1950s and in the 1960s was introduced into medical practice as an intravenous anaesthetic. Other analogues of fentanyl have been synthesized and introduced into medical practice with fentanyls now being extensively used in anaesthesia and analgesia. Fentanyl is a synthetic opioid, a specific μ -agonist and as an analgesic it has approximately 80 times the potency of morphine. Fentanyl in high doses causes euphoria, marked muscular rigidity and respiratory depression. In view of the fact that the effects of acting fentanyls are indistinguishable from those produced by nasal inhalation of street heroin, except that fentanyl is much more potent, fentanyl has high abuse potential. In the late 1970s fentanyl appeared in the illicit drug market with over 12 different analogues identified in the US drug traffic. These fentanyl analogues can be sold as synthetic heroin or China white. Intravenous administration is most commonly used but fentanyl can also be smoked or snorted.
Species	N/A
Conjugate	HRP
Format	Concentrate
Size	0.5 ml
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Fentanyl (also known as fentanil, brand names Sublimaze, Actiq, Durogesic, Duragesic, Fentora, Matrifen, Haldid, Onsolis, Instanyl, Abstral, Lazanda and others) is a potent, synthetic
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opioid analgesic with a rapid onset and short duration of action. It is a strong agonist at the μ -opioid receptors. Historically it has been used to treat breakthrough pain and is commonly used in pre-procedures as a pain reliever as well as an anesthetic in combination with a benzodiazepine.

Keywords	Fentanyl; Fentanyl(p)
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