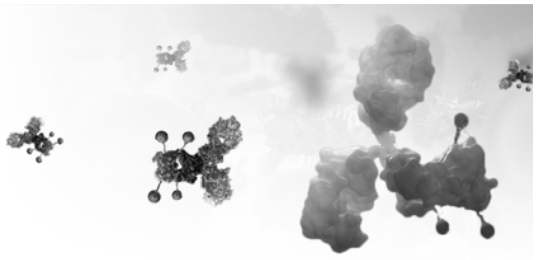

Hydromorphone(3) [HRP] (DAG1204)

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

PRODUCT INFORMATION

Product Overview	Hydromorphone(3), HRP conjugate
Antigen Description	Hydromorphone is a semi-synthetic opioid agonist and a hydrogenated ketone of morphine. It is about 8 times more potent than morphine and since it was first introduced into clinical practice it has been used to treat cancer pain and post-operative pain. It is a useful alternative to morphine in patients who have adverse side effects with morphine such as nausea, sedation and myoclonus. Hydromorphone hydrochloride is five times more water soluble than morphine sulphate which is important when concentrated preparations or small delivery volumes are required. It is much sought after by narcotic addicts and is usually obtained by the abuser through fraudulent prescriptions and theft.
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	Hydromorphone, a more common synonym for dihydromorphinone (not to be confused by dihydromorphine, which is a different derivative of the morphine family), commonly a hydrochloride (brand names Palladone, Dilaudid, and numerous others) is a very potent centrally acting analgesic drug of the opioid class. It is a derivative of morphine; to be specific, a hydrogenated ketone thereof, and it can be said that hydromorphone is to morphine as hydrocodone is to codeine and, therefore, a semi-synthetic drug. It is in medical terms an opioid

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	analgesic and in legal terms a narcotic. Hydromorphone is commonly used in the hospital setting, mostly intravenously (IV) because its bioavailability orally, rectally, and intranasally is very low. Sublingual administration is usually superior to swallowing for bioavailability and effects.
Keywords	Hydromorphone

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