

Nystatin Oral Suspension Shortage

Suppliers of 100,000 U/ml nystatin suspension in Canada.¹

DIN	Brand Name	Manufacturer
02433443	Jamp-Nystatin Susp	JPC
00792667	PMS-Nystatin	PMS
02125145	DOM-Nystatin	DOM
02194201	Ratio-Nystatin	RPH

Indications for nystatin suspension²:

- Treatment of infections of the mouth (thrush) and gastrointestinal tract caused by *C. albicans*, including oropharyngeal candidiasis in patients with HIV infection

Nystatin alternatives:

- Refer to compounding pharmacy.
- While extemporaneous suspensions have been described in the literature,^{3,4} details of compounding are not provided and uncommon ingredients are required (e.g. carboxymethyl cellulose, tragacanth)³ and/or make the product unsuitable for infants (e.g. mint essential oil, parabens).⁴

Therapeutic alternatives:

- Unfortunately, there are no ideal alternatives, especially for infants.
- Consider treating nipple (topical clotrimazole, miconazole, nystatin) simultaneously with treatment of oropharyngeal candidiasis in breastfeeding infants.⁸
 - Fluconazole (for non-HIV patients)
 - Oropharyngeal candidiasis:
 - 3 mg/kg/day PO once daily (max dose 200 mg)^{2,5,6,8}
 - Adults: **100-200mg** PO once daily^{2,6,-11}
 - Duration: **7-14 days**^{2,6-10}
 - Loading doses of twice the daily dose can be given on day 1^{6,8}
 - Esophageal candidiasis:
 - Few references provide pediatric dosing:
Pediatrics: 3-6 mg/kg/day PO once daily² or 6 mg/kg on Day 1, then 3 mg/kg/day PO once daily⁶
 - Adults: **100-200-400 mg** PO once daily^{2,6-11}
 - Loading doses of twice the daily dose (up to 400 mg) can be given on day 1^{6,10,11}
 - Treat ≥ 21 days and ≥ 14 days after symptom resolution^{2,6,10}

- Efficacy of fluconazole for oropharyngeal candidiasis has been established in infants 6 months and older²
 - Safety of fluconazole in other indications has been established in infants as young as 1 day²
- Gentian violet 1%^{7,8,12}
 - may cause mucosal irritation, ulceration, staining^{8,12}
- Clotrimazole lozenge 100 mg PO once daily x 7-14 days for older children and adults^{7,11}
 - from compounding pharmacy
 - can use vaginal insert,⁷ though likely not very palatable

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References:

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