

**MVEC pathway for routine intramuscular (IM) hepatitis B vaccine non-responders
≥ 12-months of age (October 2018)**

Age appropriate IM hepatitis B vaccine course completed

Serology ≥4 weeks following final dose of IM hepatitis B course shows titre of anti-HBs <10m IU/mL

Administer 2 dose course of IM Twinrix® Adult (720/20) [0 and 6 months]

Serological testing 4 weeks post dose 2 of
IM Twinrix® Adult (720/20)

Anti-HBs titre ≥10m IU/mL
No further action required

Anti-HBs titre <10m IU/mL

Dose 1 Intradermal (ID) hepatitis B immunisation
Engerix®-B Adult (20mcg/1.0ml) 0.25ml

Dose 2 ID hepatitis B immunisation
Engerix®-B Adult (20mcg/1.0ml) 0.25ml
(2 weeks following dose 1)

Serological testing on same day as dose 2
of ID immunisation

Anti-HBs titre <10m IU/mL

Anti-HBs titre ≥10m IU/mL
No further action required

Dose 3 ID hepatitis B immunisation
Engerix®-B Adult (20mcg/1.0ml) 0.25ml
(2 weeks following dose 2)

Serological testing 4 weeks post dose 3 (final dose)
of ID hepatitis B immunisation

Anti-HBs titre ≥10m IU/mL
No further action required

Anti-HBs titre <10m IU/mL
Persistent non responders should be informed of their immune status and advised on
post exposure management
<https://immunisationhandbook.health.gov.au/resources/handbook-tables/table-post-exposure-prophylaxis-for-non-immune-people-exposed-to-a-source>