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 <10 m 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 <10 m 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)

- Anti-HBs titre ≥10 m IU/mL
  - No further action required
  - Serological testing on same day as dose 2 of ID immunisation

  - Anti-HBs titre <10 m IU/mL
  - Anti-HBs titre ≥10 m 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 <10 m IU/mL
  - Persistent non responders should be informed of their immune status and advised on post exposure prophylaxis

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