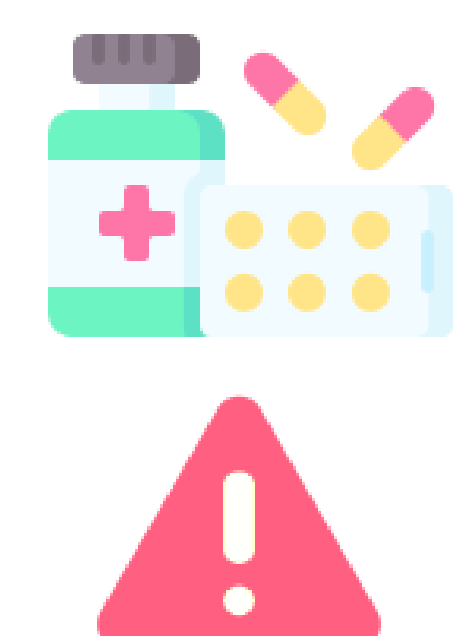


Introduction



Following the recommendations for vaccination against COVID-19, the allergology department asked us to carry out **vaccine hypersensitivity tests**.



Learned allergology societies recommend using specialities containing PEG 3350 or 4000.

Other excipients may affect test interpretation.



PEG → Allergy
Polysorbate → Cross-allergy

Objective: To study the feasibility and availability of PEG-based syringes for allergological testing.

Materials & Methods



Prick Test

No reaction



Intradermal reaction (IDR)

3 IDR with increasing concentrations and a reading at 20 minutes after each injection



Supplier :
Sterilising filtration



European Pharmacopoeia :
Physico-chemical characteristics
Macrogol 4000 / PEG 4000

Conclusion

This work adds a **further solution** to give as many people as possible access to vaccinations, particularly the most vulnerable patients, **by preparing and making available magistral preparations**.

Results



From February 2021 to November 2022: 27 tests = 108 preparations

Preparation procedure: Aseptic preparation under microbiological safety cabinet II (class A)

Stock solution
100 mg/mL

Sterilising
filtration

100 mg/mL

Daughter solutions
10 mg/mL

1 mg/mL

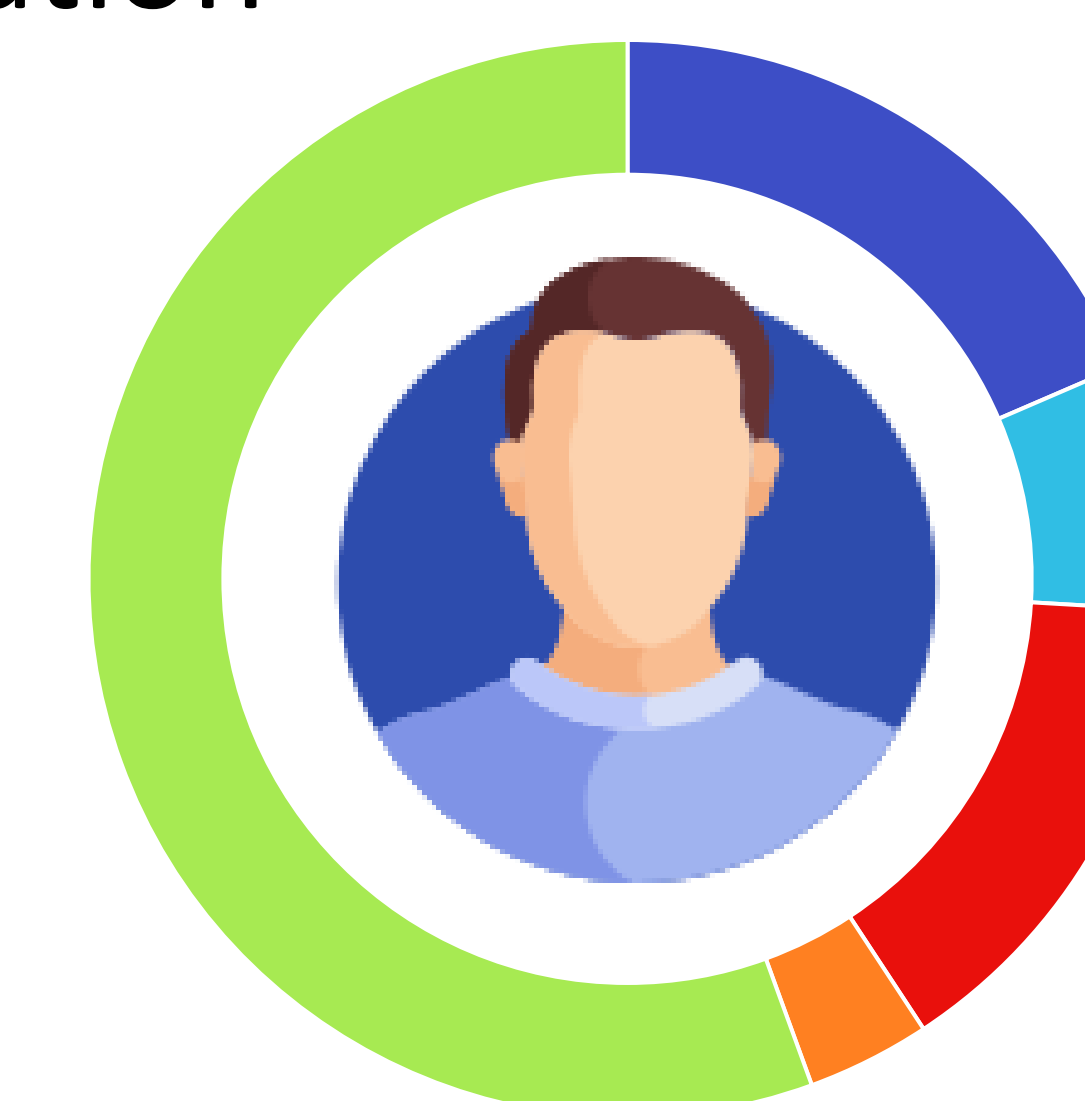
Stability
24H
(in absence of study)

15 patients **tested negative**
authorising vaccination

5 patients did **not turn up**

5 patients were vaccinated
with no immediate or delayed
reactions

10 patients with no vaccine
data available but no reported
reactions



2 patients were **not tested** because the
type of reaction was not appropriate

4 patients **tested positive**
contraindicating vaccination and the
use of PEG-based specialities

1 **discordant** patient