

3-4 Week Rabbit Complement

Product Data Sheet · P/N 74012 Rev 02 · Reissued 2026-09-19 (layout only)

Product code	Pack size
31061-0	1 mL
31061-1	10 mL
31061-3	100 mL

Description

Complement is produced under controlled conditions from large pools of New Zealand White rabbits that are 21-28 days old. This provides a product that has low heterophile antibody activity for many applications, including use in bactericidal and opsonization assays.

Physical State

Frozen liquid

Testing

Hemolytic: Titer $\geq$ 1:16

Endotoxin: $\leq$ 1.0 EU/mL

Sterility: Passed, 14 day sterility testing

Mycoplasma: Negative

Viral: Negative

Application Notes

Suitable for functional antibody assays (SBA-Serum Bactericidal Assay, MOPA/OPA- Multiplexed / Opsonophagocytic Killing Assay) for vaccine evaluation. Complement components are extremely heat-sensitive; for best results, thaw complement on ice or in a cold water bath (ideally thaw bottled complement under a stream of cold water -20°C); never thaw using warm or hot water. Single use aliquots may be made at this time and frozen at -70°C or below. Avoid multiple freeze-thaw cycles. When a working aliquot is thawed, do not re-freeze remaining complement, but discard it.

Packaging

1 mL: Glass vial; 10 mL and 100 mL: PETG bottle

Storage Temperature

-70 °C or below

Shipping Conditions

Dry ice

Expiration

Product quality is guaranteed to meet Pel-Freez Biologicals' specifications for 1 year from the date of receipt by the customer as long as the product is stored in accordance with the indicated storage conditions.

References

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Burton R.L., Nahm M.H.. Clin Vaccine Immunol. 2012 Jun;19(6):835-41. Development of a fourfold multiplexed opsonophagocytosis assay for pneumococcal antibodies against additional serotypes and discovery of serological subtypes in *Streptococcus pneumoniae* serotype 20.

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